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MENTORSHIP BOOTCAMP

Syllabus & Course Overview



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PROGRAM OBJECTIVES

Program Overview

Mentorship Bootcamp

Mentorship Bootcamp is a 15-week program designed to meet the specific needs of applicants and help launch their data science career with hands-on projects.

This program consists of three steps. In the first step, you will walk-through three data science projects with your mentor. By this way, you will understand how a data science project is approached, formulated, and completed. You will also learn about how a completed project is deployed.

In the second step, you will be assigned three individual projects and you will complete the project by yourself and then your mentor will provide feedback.

In the third and last step, you will start a long journey to tackle an industrial project that takes 6 weeks. This last step in the program helps you fully grasp how data science application works in real life.

- Gaining hands-on experience with challenging industry projects
- Understanding the process of full cycle of data science projects
- Enhancing the knowledge of Python libraries and the most commonly used tools in machine learning
- Understanding the landscape of most recent Machine Learning algorithms and their implementations
- Having an experience with mentor guided project implementations
- Building a portfolio with real projects
- Learning how to deploy a project into the cloud platform
- Receiving job search support
- Preparing effective resumes
- Practicing for data science interviews

What you'll learn?

- Machine learning, natural language processing and deep learning applications with Python
- Data cleaning, data wrangling, and data exploration
- The entire process to design and solve industry-based data science projects
- Project deployment into the cloud platform





Mentorship Bootcamp Design

First Step

In this part, you will be assigned a mentor and walk-through and complete three data science projects. In these projects, you will be using machine learning, natural language processing, and deep learning techniques.

Mentored Machine Learning Project

This is your very first project which will require using machine learning algorithms. Your mentor will walk-through with you throughout this project to make sure you understand how a data science project should be undertaken in the real-life. During this project, you will regularly meet with the mentor to complete the project.

Mentored Natural Language Processing Project

Natural language processing (NLP) is considered to be a novel approach in artificial intelligence to process text data. In this project, you and your mentor will complete a brand-new NLP pipeline. Thanks to the help of your mentor, you will be able to learn anything you need and you will be ready to go by yourself.



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Mentored Deep Learning Project

Deep learning has a wide spectrum of applications, such as healthcare, marketing, autonomous vehicles, etc. At this stage, your mentor will walk-through with you on a deep learning project. At the end of this project, you will learn how to use Keras to tackle an industry project.

Second Step

Once you complete the first step, it is time to implement challenging three data science projects by yourself. Subsequent to completion of each project, you will get feedback from your mentors. Similar to the first step, the projects are focused on machine learning, natural language processing, and deep learning.

Machine Learning Project

You will be given an industry project and using data exploration and machine learning models, you will find the best solution you can within a week. In this project, you will run a recommendation engine to find best item for users. Then, your mentor will be evaluated your submission and provide detailed feedback via regular meetings.



Natural Language Processing Project

With the ongoing growth of the web and social media, there is a tremendous increase in data. This project gives you a chance to gain experience with Twitter data. In this project, you will get hands-on experience with Twitter data and run them through text processing, classify them with machine learning algorithms, and determine the probability of their categories.

Deep Learning Project

In this deep learning project, you will work under supervision of your mentor to get regular feedback to keep you on track. Specifically, students will pull data from a database, obtain images from the URLs provided by the database, and develop a classification algorithm for the images. In the final phase, students will deploy this model and test how it works.

Third Step and Stand-Alone Industry Project

In this module, we will offer our students a real industry project from companies in the Silicon Valley. The students will be mentored by one of the Magnimind instructors as well as by an experienced ML engineer from a company. The projects will take nine weeks of preparation, development, and if possible, deployment. Students will meet individually on weekly basis with their respective mentors. Students will have a chance to gain hands-on experience where they can write about in their resumes.





Resume Preparation

One critical checkpoint to land a data science position is to have a cutting-edge resume. Other than the projects to enrich your resume, our mentors will help you to develop your resume and LinkedIn profiles that will catch the eyes of recruiters and headhunters.

Interview Practice

Once you get an interview for a position, the next step is critical to be ready for the interviews. We will have mock-up interviews, Q&A practices and tactical studies for a perfect interview experience.

Industry Insights

To perceive the industry's needs, we will set up meetings with industry experts from Magnimind Academy Network. You will gain a whole understanding of technology trends and drive your skill-set to find industry niches with these meetings.





Post-graduation support

Certification

Any participant who graduates successfully from our programs will receive a course completion certificate and become a Magnimind Academy alumni.

Help to Get Connected With Recruiters

After finishing the program, our recruiter network will keep track of your profile to land you the position you want. Since the program is designed to help you become a competitive applicant, you will be the primary job candidate during interviews.

Career Help and Guidance

You have full access to our mentor and instructor team until you land a job. Our team will help you whether you have a difficulty to solve a problem related to your career or need guidance to find out the lacking skills that will put you one step further.

Ongoing Internship

Our students can continue working on real data science projects after the program as well. We provide internship opportunities where you can extend your hands-on experience until you feel comfortable for a fault-free interview.



Becoming a Part of Magnimind Network

All Magnimind Academy alumni are granted membership to the Magnimind Academy Network. We provide lifetime access to our alumni where they can ask their questions to our mentors and instructors. Our mentors and instructors help alumni on the projects they work on and provide support where it is needed. Thus, we promise you a lifetime of learning and growth. Since your boot camp completion certificate is backed by Magnimind's solid reputation in the industry at Silicon Valley, it will endorse your eligibility and make you a coveted candidate in today's extremely competitive job market.

About Magnimind

The fundamental belief behind the establishment of Magnimind Academy was that data science, artificial intelligence (AI), machine learning, natural language processing (NLP), and Deep Learning (DL) are transformative technologies that everyone should have access to. We believe these modern technologies will help people find hidden value from data and use it to drive the next big leap in growth, profitability, and customer experience while boosting operational efficiencies. Yet, finding the unique blend of expertise in big-data, machine learning, AI, and business acumen isn't easy. And that's where we can help.

Magnimind Academy is focused on empowering data science skills, thus helping businesses find useful insights and real-world business value from the pile of data that often sits idle. At present, we have 14 different programs ranging from beginner level courses to advanced AI implementations to suit a wide variety of expertise and skill sets. Whether you want to get started with the fundamentals of data science or are already working in the field and need to learn about modern technologies and processes to drive operational improvements and gain predictive and prescriptive data-driven insights, our programs can help.

At Magnimind Academy, we're proud to have 10+ instructors and a team of mentors, who help our applicants and corporate customers. In this journey, we have trained hundreds of students and we are continuing our good work by supplying the industry with a steady and continuous stream of skilled, job-ready human resources.





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Contact

If you have any questions, please feel free to contact us at
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