

Vishhvak Srinivasan

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EXPERIENCE

Machine Learning Intern, Ford Motor Company

May 2019 – July 2019

Prototyped a predictive analytics module driven by ML regression models to forecast the profit margin of vehicles using historical financial data.

Co-authored a research paper on the same that was published internally.

Software Engineer Intern, Airports Authority of India

Sep 2018 – Apr 2019

Led a team to create a record maintenance tool for air traffic controllers at Chennai International Airport.

Automated a monthly manual rostering process using constraint-based optimization models to address the issue of skill fading in the industry.

Machine Learning TA, Vellore Institute of Technology

May 2019 – Jan 2020

Conducted weekly theoretical and laboratory-oriented sessions for graduate students.

Devised learning paths for students facing difficulties including project guidance – ideas and debugging.

PROJECTS

Distributed Attendance System, VIT

Jan 2020 – Apr 2020

Led a team to implement a robust, fast, attendance system based on a hybrid architecture including a full stack web app, mobile app, AI face recognition, and cybersecurity algorithms to replace existing manual practices followed.

The proposed system achieved a mean speed of 7.5s to post attendance for 65 students, beating existing manual methods by 95% in efficiency.

EDUCATION

Carnegie Mellon University, Pittsburgh

MS, Artificial Intelligence and Innovation

Aug 2021 – Present

Fall – Introduction to ML, AI & Future Markets, Law of Computer Technology, Foundations of Computational Data Science, Coding Bootcamp.

Vellore Institute of Technology, India

BTech, Computer Science & Engineering

July 2016 – June 2020

CGPA – 8.8/10

SKILLS

Languages

Python, Java, C++, C, SQL, JavaScript

Libraries and Frameworks

PyTorch, Django, Numpy, Pandas, Sklearn, Matplotlib, nltk, seaborn, spaCy

Developer Tools

Git, Jupyter Notebook, PostgreSQL, AzureML, Docker

LEADERSHIP

PR Head, IEEE Computer Society Student Chapter Branch at VIT

Oct 2018 – Oct 2019

Oversaw marketing activities and maintained social media handles.

Organized the first edition of HackHub, the chapter's brand hackathon.

Spearheaded and guided project teams on technical areas such as ML.