Varun Hegde

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EDUCATION

Georgia Institute of Technology   Expected Grad: July 2024 | Atlanta, GA
Master of Science, Computer Science - Machine Learning   GPA: 4.0
Relevant Coursework: Machine Learning, Computer Vision, Natural Language Processing, Artificial Intelligence

Georgia Institute of Technology   Expected Grad: December 2023 | Atlanta, GA
Bachelor of Science, Computer Science   GPA: 3.83
Dean's List every semester; GT Faculty Honors
Relevant Coursework: Data Structures and Algorithms, Mobile App Development, Databases, Artificial Intelligence, Systems and Networks, Computer Networking, Linear Algebra, Database Implementation, Advanced Algorithms, Computer Architecture

SKILLS

Languages: Java, Python, SQL, JavaScript, TypeScript, Golang, HTML/CSS, Swift, C, Assembly
Tools and Frameworks: React, Next.js, Node.js, React Native, Django, Express.js, Pandas, PyTorch, TensorFlow, Sci-Kit, AWS, Git

EXPERIENCE

ServiceNow   Santa Clara, CA
Software Engineering Intern   May 2023 – August 2023
- Constructed Resource Allocation Workbench platform in JavaScript to enable resource managers to approve and allocate consultant hiring requests to hundreds of customer projects and deployed product to ServiceNow platform
- Created SQL database view from customer and user tables and wrapped in new API endpoint that enables filtering of consultants best matched for relevant projects by skills, experience, job function, and availability
- Developed customizable data visualizations and dashboard to easily display current resource availability breakdown
- Led weekly meetings with cross-functional teams and stakeholders, as well as end-users and customers to best identify requirements and organizational impact of implementing the product

Eightfold.ai   Santa Clara, CA
Software Engineering Intern   May 2022 – August 2022
- Created customer and partner applications built on AWS Lambda functions and integrated with Eightfold's AI Talent platform to automate specific workflow processes
- Created CDN pipeline in Python for upload and storage of app assets in AWS S3 upon new app creation
- Engineered Python API framework to write application monitoring logs to AWS CloudWatch and internal Redshift databases
- Using React, implemented detailed UI for app developers to utilize API to publish, retrieve, and view AWS Lambda application logs
- Designed, developed, and published Python SDK for app developers to access existing REST API endpoints and simplify usage of complex API calls within apps

EdCast   Mountain View, CA
Software Engineering Intern   June 2021 – August 2021
- Researched how to apply K-Means clustering machine learning algorithms in Python to a skillbase to identify skills that are closely related for a Learning Management System
- Constructed Data Visualizations for customers using ETL and SQL from data warehouse; Received Data Specialist certification on Domo business intelligence platform
- Created a Python script for to summarize skills and statuses from employees in corporate clients as User Roles Reports within the Learning Experience Platform

PROJECTS

EKGPro: Project lead for team of 6 students in developing a platform using Next.js and Django for Emory Hospital, that enables doctors to upload and analyze Electrocardiograms (EKG) digitally. Created custom Python API endpoints using Django for the uploading and retrieval of EKG readings in PDF form to custom database and scaled backend to fit a growing number of users. Implemented authentication interface using Python and Next.js for new users to sign up/log in and verify accounts with Emory Hospital. Handled all communications with client, developed product roadmap and user stories, and ensured sprint goals were met by team.

COVID-19 Data Visualizer: Built a website tool to aggregate information and create data visualizations about spread of COVID-19 on Georgia Tech's campus by using React, Chart.js, and Python Flask. Scraped over 500,000 COVID-19 testing data points from Georgia Tech's health website using BeautifulSoup library and served to front-end via custom API endpoints built within Python Flask server.

Loan Predictor: Developed a Machine Learning model to predict the likeliness of a borrower paying their loan in full, and then packaged model into an API, using Sci-Kit, Pandas, Jupyter, and Python Flask. Use backward elimination selection to get rid of irrelevant feature columns and achieved 76% accuracy for logistic regression model. Made front-end API call through React and visualized prediction results.