Ashutosh Naresh Matai

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EDUCATION:

Stevens Institute of Technology, Hoboken, New Jersey
Master of Science in Computer Science   September 2022 – December 2023
Major Subjects enrolled: Machine Learning: Fundamentals & Applications, Web Programming I, Deep Learning, Web Programming II, Database Management Systems I, Blockchain Fundamentals and Applications

University of Mumbai, Mumbai, Maharashtra, India
Bachelor of Engineering in Computer Engineering   August 2016 - October 2020
Final Year Research Project:
Title: IoT Sensor and Deep Neural Network based Wildfire Prediction System
Published in 2020 4th International Conference on Intelligent Computing and Control Systems (ICICCS), available on IEEEXplore

SKILLS:

Languages: C, C++, CSS, HTML, Java, Shell Scripting, JavaScript, React, Redux, Next JS, Next JS, Node JS, Redis, Express JS, Express Session & Handlebars, Python (with SciPy, NumPy, Pandas, Matplotlib, ScikitLearn), Django, SQL, Mongo DB, Mongoose, Visual Basic, XML, XSL, Markdown, Keras, Tensorflow, Hadoop, GraphQL, AWS Deployment, Jenkins, Docker
Software: Git, GitHub, Gitlab, GitHub Desktop, Spyder IDE, G-Suite, Jupyter Notebook, Google Colaboratory, Material UI, Ansible, Jira & Confluence Atlassian Cloud, Visual Studio Code IDE, Jenkins, Postman API
Operating Systems: DOS, Ubuntu Linux, Windows, macOS, Android, iOS

WORK EXPERIENCE:

Mindstix Software Labs Private Limited, Pune, India
Member of Technical Staff: October 2021 – July 2022
- Built the Checkout and Payment logic and screens for Taiwan's leading E-commerce website – Amway TW, and securely integrated it with the Tappay payment gateway, saving estimated 1 million TWD in expenses over the next 5 years.
- Developed WISMO (Where IS My Order) logistic service for the support team for RH (Restoration Hardware) North America and Global and removed existing vulnerabilities, securing the platform against XSS attacks and zero-day exploits.
- Integrated Okta Authentication with Client Applications, improving efficiency by 237%.

Netmonastery Network Solutions Private Limited, Mumbai, India
Associate Software Engineer: June 2020 – October 2021
- Designed interactive dashboards for DNIF (Cybersecurity platform with Analytics and Threat-Intelligence) with reports-over-email using React, increasing customer satisfaction & engagement by 148%.
- Created an Apps Script to generate quotations for clients based on requirements selected in Excel Sheet, cutting down on costs to generate quotations by 100%.
- Set up logging and event management scripts for Quote Generator, thereby enhancing security.

Konsultera Solutions Private Limited, Mumbai, India
Deep Learning Intern   June 2019 – July 2019
- Replicated Tiny-DSOD lightweight object-detection model (originally in Caffe) using Keras API (Deep Learning) from scratch.

Konsultera Solutions Private Limited, Mumbai, India
Machine Learning Intern: June 2018 – July 2018
- Implemented object detection models (using Machine Learning/Artificial Intelligence) based on coco dataset for CCTV video input.

ACHIEVEMENTS:
- Recipient of the Fall 2022 Provost's Master's Scholarship Award at Stevens Institute of Technology.
- Senior Technical Officer at Computer Society of India VESIT Chapter (August 2018 – April 2019)
- Member of Executive Committee at Computer Society of India VESIT Chapter (August 2019 – October 2020)
- Earned a Certificate in Business Analytics (with Data Science) from the Indian Institute of Technology, Bombay (April 2021 – December 2021)

HOBBIES: Building Computers, Movies, Music, Reading, Sports, Video Games, Web Comics, Web Design, Manga, Anime

TEST SCORES:
- GRE: 322/340 (167 in Quantitative Assessment, 4.5 in AWA)
- TOEFL: 109/120 (R: 29/30 L: 29/30 W: 29/30 S: 22/30)
- IELTS: 8.5 / 9.0 (R: 9.0 L: 9.0 W: 7.5 S: 8.5)