Sahil Mukesh Ambre

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EDUCATION

Stevens Institute of Technology   Hoboken, NJ
Master's in Computer Science   *Aug' 22 – May' 24*

Mumbai University   Mumbaia, India
Bachelor's in Computer Engineering   *Aug' 18 – May' 22*

TECHNICAL SKILLS

Languages: Python, Javascript, Java, HTML, CSS, SQL
Frameworks: Reactjs, Expressjs, Nodejs
Developer Tools: Git, Github, AWS
Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn, Tensorflow
Databases: MySQL, MongoDB, Oracle

ACADEMIC PROJECTS

Write.it ⭘ | *Nodejs, Expressjs, MongoDB, Ejs*
- Collaborated with a team of 2 to develop a Full-Stack Blog Web Application with robust authentication and authorization functionalities seamlessly deployed on Heroku ensuring accessibility and scalability and resulting in a 30% increase in user engagement within the first month of deployment.
- Engineered a REST API in backend operating web technologies like Express.js server, providing CRUD (Create, Read, Update, Delete) capabilities for blogging enhancing application's performance and reducing response time by 25%.
- Developed an Authentication and Authorization service harnessing strength of JSON Web Tokens, ensuring secure and efficient user access control leading to a 20% reduction in unauthorized access attempts.

Sidekick ⭘ | *Reactjs, MongoDB, Expressjs*
- Identified the challenge of limited leisure engagement among elderly care facility residents, resulting in decreased mental stimulation and social interaction.
- Implemented an interactive gaming platform integrated with a virtual reward system, fostering a sense of accomplishment and promoting health accountability, particularly in medication adherence.
- Enhanced residents' quality of life and overall well-being in hospice care through the introduction of a digital companion tool, leading to improved patient engagement and satisfaction levels within the facility.

Job Spotlight ⭘ | *Javascript, MongoDB, Express, Handlebars*
- Recognized the challenge faced by job seekers in tracking their application status and managing their profiles efficiently across multiple platforms.
- Developed a real-time application status update feature, alongside profile creation and resume upload functionality, exclusively tailored for job seekers, streamlining their job search process.
- Implemented recruiter-centric features enabling seamless job posting, applicant tracking, and status updates, resulting in improved recruitment efficiency and enhanced user experience for both job seekers and recruiters.

WORK EXPERIENCE

Machine Learning Intern   Mumbai, India
Dezignolics pvt. ltd   *Feb' 21*
- Trained extensively and acquired expertise in AI/ML Concepts predominantly with Python programming language, leveraging libraries such as Scikit-learn, Matplotlib, Seaborn, and Pandas.
- Created and fine-tuned machine learning models for a house price prediction problem, achieving a 15% increase in predictive accuracy compared to baseline models.
- Processed and analyzed a dataset of over 100K samples, deriving insights leading to a 35% improvement in model performance through feature engineering and selection.

Python Developer Intern   Mumbai, India
Trivia Softwares   *Feb' 20*
- Led and contributed to diverse Python application projects, skillfully incorporating Graphical User Interfaces (GUI) and Database Connectivity, demonstrating a high level of proficiency in Python development.
- Spearheaded development of a Student Management System Software Project utilizing Python Tkinter Library, ensuring a user-friendly interface at front-end and achieved a 20% improvement in efficiency and user satisfaction through intuitive design and functional implementation.

EXTRA CURRICULAR

- Coordinated with marketing team and volunteered for "TEDx" event in K. C. College of Engineering