ISHAN SACHADEVA

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PROFESSIONAL SUMMARY

- Microsoft Azure Certified software developer with 1+ years of experience in problem-solving **Python** as well as data management through **SQL** and **NoSQL** databases.
- Collaborated closely with teams, developing interactive projects and interactive dashboards using visualization tools like PowerBi, Tableau and IBM Cognos used for effective data and business analysis.
- A creative problem solver with strong communication and interpersonal skill.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C, C++, Bash(Shell Scripting), HTML, CSS
Databases and Cloud Platforms: MySQL, NoSQL-MongoDB, Azure
Developer Tools: Anaconda, Jupyter Notebook, Google Collab, Tableau, Power BI, JIRA, Git, GitHub, Postman, Confluence.
Operating Systems: Windows, MacOS, Linux/Unix
Technologies/Frameworks: TensorFlow, PyTorch, Scikit-learn Keras, OpenCV, Django
Methodologies/Concepts: Software Development Life Cycle, Agile, Waterfall, Iterative, Scrum, Design Techniques.

WORK EXPERIENCE

Research Scientist | **SRM University** / Chennai, India   Nov 2021 - Apr 2023
Tech: Python, TensorFlow, NumPy, Pandas, CNN, PyTorch, GitHub
- Collaborated on the research and development of four projects, including two major and two minor ones. Achieved a **30-40% increase in model accuracy** through Python programming for machine learning, AI and model development.
- Led major projects with deep learning models, GitHub maintenance, rigorous testing and meticulous planning. Supported minor projects with research paper edits, maintaining documentation, and smooth project progression.

PROJECTS

EcoHire | link   May 2024 – Jul 2024
Tech: Python, Django, HTML, CSS, Bootstrap, MTV Architecture, SQLite
- Developed Eco-Hire, a web-based job seeking platform serving the encouraging eco-conscious employment and promoting green practices.
- Created a dynamic interface for job board using **Django** framework, ensuring seamless user experience. Multiple models and views were developed for functioning of different features.
- Utilized **Git** as the version control resulting in a **25% improvement** in project delivery speed through streamlined workflows and enhanced team coordination.

ADHD Women Health Tracker / link   June 2024 – Jul 2024
Tech: Node.js, Express.js, HTML, CSS, JavaScript, MongoDB, Git, GitHub, JIRA
- Created a health tracker aiding in better management of ADHD symptoms for female users.
- Implemented an interactive health dashboard using **EJS**, along with **MongoDB** and **Node.js** for managing the **backend**.
- Managed the project using **Git** for version control and **JIRA** for timeline, ensuring smooth collaboration and continuous integration, leading to a **20% reduction in the development time**.

SnapFit | link   Jan 2024 – Apr 2024
Tech: Python, NodeJS, Machine Learning, Tensorflow, Flask, MongoDB, Git, Github
- Created an intuitive interface to analyse food images for nutrient content and recommend meals to complete daily needs.
- Integrated Tensorflow and OpenCV for food image analysis, alongside React, NodeJs and Flask to develop an interactive website, and MongoDB for optimized data management
- Managed the project using Git and resulted in a nutrition management website featuring an excellent user experience for analysing food images focusing on malnutrition.

EDUCATION

Master of Applied Computing | University of Windsor, Windsor, ON   Sep 2023 - Dec 2024
Bachelor of Technology in Computer Science | SRM University, Chennai, India   Jan 2023 - Apr 2024

CERTIFICATION

Microsoft Azure Fundamentals   July 2024