

Ayush Prajapati

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EDUCATION

- The University of Sheffield** Sheffield, UK
• *MSc. Advanced Computer Science - Machine Learning & AI Grade: 2:1* Sept 2023 - Sept 2024
Courses: Object-Oriented Programming (Java), Machine Learning, Mobile Application Development, Web Development, Software Reengineering
- Arka Jain University** Jharkhand, India
• *Bachelor of Computer Applications - Data Science; GPA: 9.4* Aug 2019 - June 2022
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Mobile Application Development, Python, Software Engineering, Networking, Databases

SKILLS SUMMARY

- Languages:** EJS, HTML, CSS, Python, C++, Typescript, JavaScript, SQL, Bash, JAVA, PHP
- Frameworks:** Django, ExpressJS, NodeJS, REST API, Swing, AJAX, Socket.io, ReactJS, CUDA
- Databases:** PostgreSQL, MySQL, SQLite, MongoDB, MSSQL
- Platforms:** Linux, Web, Windows, AWS (EC2, Lambda), GCP, IBM Cloud, Microsoft Office (Excel, Word, PowerPoint, BI etc.)
- Tools:** Kubernetes, Docker, GitHub, GitLab, GIT, WordPress, CI/CD, Jira, Confluence, Streamlit, Agile/Scrum
- Soft Skills:** Technical Leadership, Collaboration & Teamwork, Problem-Solving, Communication, Attention to Detail, Adaptability & Continuous Learning, Time Management & Organization

INDUSTRIAL EXPERIENCE

- Wipro Technologies** Coimbatore, India
• *Systems Engineer (Full-time)* Feb 2023 - Aug 2023
 - Managed business-critical **SQL (MSSQL & Oracle)** databases while troubleshooting performance issues and maintaining data integrity, using Redhat Linux based systems
 - Streamlined ticket management using **ServiceNow**, reducing average resolution time for client issues
 - Implemented **automated unit testing** and **CI/CD pipelines** for application deployments, ensuring code quality and reliability
 - Collaborated in **Agile** development teams using **Jira** for sprint planning and **Scrum** methodologies for project delivery
- TATA Robins Frasers Limited** Jamshedpur, India
• *Web Developer Intern (Full-time)* Jan 2022 - Mar 2022
 - Assisted in developing web interfaces using **React components** and learned fundamentals of **JavaScript** development through pair programming sessions
 - Supported the team in building and testing simple **Javascript REST API** endpoints, connecting frontend React components to backend services
 - Participated in daily stand-ups with the development team, experiencing **Agile** workflows and version control using **Git**

PROJECTS

- ePanda Recycling System (Authentication, User Panel, Admin Panel, Reporting, Dashboard, Web scarping, emailing system):** Led the development of a full-stack web application for recycling eWastes using 3rd Party organizations API. Collaborated in Agile Dev team as Scrum Master. Documented Wire-frame designs using Figma. Featured a User-Panel, Staff-Panel, and a full fledged Admin Panel with data manipulation, following with a 80% code coverage Automation Tests. Tech: HTML, CSS, Bootstrap, EJS, JavaScript, MongoDB, NodeJS, ExpressJS, JQuery, Passport JS, GCP, Google OAuth 2.0, Facebook Auth API, Stripe API, PayPal API, Chai, Mocha, Figma
- Dissertation Project - Implementing Semantic Tableaux for different logics:** A research based project to build a GUI-based logics solver for educational purposes. Developed a web-based AI-driven logic solver using Python and Streamlit for real-time formula validation and visualization. Implemented data processing pipelines using collection frameworks available, optimizing performance for large-scale logic analysis. Built a custom parser for structured data processing, applicable to data modeling and ETL workflows. Tech: Python, Collections Framework, Streamlit, NetworkX, Matplotlib, pydot, & Streamlit.
- Plant Recognition System:** Collaborated in a team to develop a Plant Recognition Platform, implementing front-end and back-end features using HTML, CSS, EJS, Express.js, Bootstrap, and MongoDB. Taken over project leadership in the team and led the development in Agile methodology. Developed key functionalities, including posting plant sightings, real-time messaging (Socket.io), and SPARQL-based plant data retrieval from DBpedia, while following agile methodologies and best coding practices. Tech: EJS, HTML, CSS, JavaScript, Socket.io, SparQL, ExpressJS, MongoDB

ADDITIONAL INFORMATION

- Certification:** (Work in Progress) IBM Professional Full Stack Developer, Data Science Intern (Dec 2022 - Jun 2023)
- Customer Care Assistant (Part-time) - McDonald's (Sheffield, UK):** Professional Customer Service Experience enhancing Communication skills and Management skills (**Dec 2023 - Present**)
- ECA:** Tech Fest Event Manager and Support Assistant (During Bachelors (2020), India)
- Hobbies:** Guitarist, Vocalist, Gaming, Cooking, Sports (Outdoor, Indoor)
- Flexibility:** Willing to relocate based on business requirements