AAKSHITA SINGH

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EDUCATION

Bachelors of Computer Science Engineering with specialization in DevOps   **Aug 2021 – Present**
University of Petroleum and Energy Studies
Dehradun, India
Current CGPA- **8.39 / 10**

SKILLS

Languages: JAVA, Python , C, HTML, CSS, JavaScript, ReactJS, Bash Scripting, SQL**,** Firebase
Technologies: Docker, Kubernetes, Jenkins, Nexus, AWS, Azure, Prometheus, Grafana, Selenium, TestNG, Maven, Junit
Soft Skills: Leadership, Agile Development, Decision Making, Teamwork, Strong Communication

WORK EXPERIENCE/ INTERNSHIPS

Summer Intern at Zeline Projects   **Apr 2024 – Present**

- Utilized Java, AWS RDS EC2, and Azure VM technologies for cloud-based projects.
- Gained expertise in cloud computing concepts like tunneling and data retrieval from AWS RDS.
- Contributed to team efforts by writing JavaDoc comments and developing cloud-based applications.
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Junior Developer at Ivy Herbals   **Oct 2023 – Dec 2023**

- Contributed remotely to a team of 4, developing a Firebase and ReactJS-powered inventory management system for 1200+ products at Ivy Herbals.
- Worked on creating graphs and tables for data representations and implemented custom authentication for the company's employees.
- Utilized Material UI for an intuitive and stylish frontend design tailored to the requirements of the organisation.

Summer Intern at University of Auckland   **Jul 2023 – Aug 2023**

- Led a team of 8 during the Micro Summer Internship at Signal Corporation.
- Improved the Calvin Nerd model for location detection, boosting accuracy by 13%.
- Demonstrated effective leadership and contributed to the success of the internship program.

PERSONAL PROJECTS

Cross-Database Integration for Natural Language Data Retrieval   **(10/2023 - 12/2023)**

- Developed a system for retrieving Natural Language data from two different databases (MongoDB and SQL).
- leveraged containerization with Docker for seamless integration. Built a ReactJS frontend with Spline and automated deployment using a Jenkins CICD pipeline on AWS, achieving a 60% speed improvement.
- Optimized data retrieval efficiency across disparate databases, boosting application versatility by 30%.
- GitHub: https://github.com/aakshitaa/SIH_Project

Lost and Found Web and Mobile Application   **(3/2023 - 12/2023)**

- Led a team of 5 to create a web and mobile application (ReactJS, React Native) for lost and found item reporting at UPES.
- Utilized MongoDB as the backend for efficient data storage. Deployed the web app on Netlify https://osoc-lost-and-foundwebapp.netlify.app/
- Significantly improved campus convenience by increasing lost-item reports by 25%.
- GitHub: https://github.com/upes-open/Lost-And-Found-Mobile-App/

Analysis Of Products using NLP   **(9/2022 - 3/2023)**

- Pioneered a web-based NLP application for sentiment analysis on product reviews from Amazon and Flipkart, alongside 3 members.
- Conducted efficient web scraping to gather data, applying HTML and CSS for an intuitive user interface.
- Enabled insightful product sentiment analysis, influencing a 20% improvement in user engagement.
- GitHub: https://github.com/aakshitaa/Analysis-of-products-using-NLP

ACHIEVEMENTS/ AWARDS

- Finalist among 44000 plus teams at the National Smart India Hackathon for year 2023 and developed Cross Database Integration Project.
- Certificate of Participation in International Level Hackathon – U Hackathon systematized by UPES Dehradun for presenting project on minimising the risk of forest fires.
- Qualified the Hack On Amazon Season 3 2023 and presented the idea to develop system for monitoring and improving soil health.
- Best mentor award for the tenure of 2022-23 at OPEN Community for mentoring Lost and Found WebApp and completing and deploying it in 1 month.
- Rewarded as the Top Student Developer at OPEN Community during the 2022-23 tenure