


AYUSH JADHAV

Dublin, Ireland

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Summary

As a recent graduate with a focus on Cloud Computing, I have honed my skills through both academic and practical experience. I completed an MSc in Cloud Computing at the National College of Ireland (2024-25), where I gained extensive knowledge in full-stack development and cloud technologies. Alongside my studies, I work as a Lab Assistant at NCI, mentoring students and assisting in technical workshops. With a passion for delivering innovative software solutions, I am eager to apply my technical expertise, collaborate with cross-functional teams, and contribute to impactful projects in a graduate role.

VISA Status: Authorized to work full-time in Ireland under a Stamp-1G visa..

Education

National College of Ireland

Jan. 2024 – Jan 2025

Masters of Science in Cloud Computing

Dublin, Ireland

Modules Completed: Cloud Architectures, Cloud Platform Programming, Cloud DevOpsSec, Scalable Cloud Programming, Research in Computing, Fog and Edge Computing, Blockchain Concepts, Cloud Machine Learning, Data governance.

All India Shri Shivaji Memorial Society College of Engineering

Aug. 2016 – June 2020

Bachelor of Engineering in Computer Engineering

Pune, India

CGPA: 8.52/10

Technical Skills

- | | | | |
|---------------|------------------------|--------------|------------------|
| • Java | • Angular | • Firebase | • SonarQube |
| • Python | • Security | • AWS | • Grafana |
| • JavaScript | • JUnit | • Jenkins | • Loginsight |
| • Spring Boot | • Mockito | • Kubernetes | • AWS CloudWatch |
| • Django | • Microsoft SQL Server | • Docker | • Agile |
| • Flask | • MongoDB | • Git | |

Experience

National college of Ireland

Sept 2024 – Dec 2024

Lab Assistant

Dublin, Ireland

- Mentored final-year students on full-stack development, cloud deployment, and security best practices.
- Conducted workshops on Java, Spring Boot, MySQL, Angular, and DevOps tools.
- Guided students on implementing CI/CD pipelines and deploying projects to cloud platforms.

Cognizant

Dec 2022 – Dec 2023

Software Engineering Intern

Pune, India

- Assisted in developing microservices-based applications for UPS (United Parcel Service) using Java, Spring Boot, and OpenShift.
- Collaborated with the team to create a monitoring tool for UPS using APIs from LogInsight and Grafana, aiding in better system observability during peak times.
- Gained hands-on experience with Java, Spring Boot, SQL, AWS, and microservices, supporting the development of cloud-based applications.

Projects

Mental Health Analysis using Cloud-based Machine Learning Techniques

- Built a predictive model to analyze the likelihood of seeking mental health treatment based on workplace factors and personal attributes using the 2014 mental health survey dataset from the tech industry.
- Used machine learning techniques including Random Forest, Gradient Boosting, SVM, KNN, and sentiment analysis to improve predictive accuracy.
- Developed the pipeline on AWS Cloud services, including data preprocessing, model training, and deployment through Elastic Beanstalk.

- Exposed real-time predictions via a Flask application and stored them in DynamoDB.
- Analyzed key predictors such as family history, workplace resources, and employee sentiment to gain insights into mental health treatment decisions.
- Evaluated model effectiveness using metrics such as accuracy, precision, recall, and F1-score.
- Findings highlighted that sentiment analysis was crucial in predicting treatment-seeking behavior, with negative sentiments strongly correlated with higher treatment-seeking likelihood.
- The insights are intended to help organizations improve mental health support strategies and reduce stigma in the workplace.

SnapVibe: Django Application | Source Code

- Developed a social media application using Django, SQLite, HTML5, and Bootstrap 5, deployed on AWS Elastic Beanstalk with CI/CD via CodePipeline.
- Implemented static code analysis with Pylint and managed security with SonarCloud.

House Renting Management System | Source Code

- Developed a house renting management system using Django, SQLite, HTML5, and Bootstrap 5, deployed on AWS Elastic Beanstalk with CI/CD via CodePipeline.
- Implemented static code analysis with Pylint and managed security with SonarCloud.

Leadership / Extracurricular

Science Teacher

Feb 2020 – Feb 2021

Camp Diaries, Pune

- Collaborated with Camp Diaries, an organization that aims to enhance skills in low-income private and government schools.
- Managed a large group of students in the classroom, ensuring engagement and participation across various activities.
- Presented and explained basic science concepts through interactive demonstrations of simple experiments.