

Lavannya Satyavrat Patil

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WORK EXPERIENCE

Barclays India – Software Developer

July 2023 - present

- **Lead** a team of 4 members to efficiently implement a decision making system such as **Customers' Credit Limit Management** using AWS Services
- **Designed and Developed** a Python utility which executes various sets of sequential ETL jobs **without any manual interventions** and generates relevant reports. **Received recognition for reducing time** and efforts of developers and testers **by 67%**.
- **Lead** a team to migrate **13 complex** on-premises projects onto Cloudera servers in an extremely **short span of 2 months**.

Barclays India – Summer Internship

June 2022 - August 2022

- Used Python and MongoDB to scan logs in Kibana and find the **most frequently visited journeys** to migrate from **on-premise to AWS**.
 - Journey: Login, Transaction and View Statement are some journeys
 - **Save cost** by finding out which services are rarely used to avoid deploying on AWS
 - Finding out which services are causing the most errors
- **Optimized and Reduced code complexity using SonarQube + Java by 31%**.

PROJECTS

Sponsored Project by BlinkAds – ChatApp with Spam Detection using AI

[Link to Demo](#)

- **Delivered an end-to-end** ChatApp using React.Js for WebApp and React Native for Mobile App
- Implemented features such as: **LSTM for Spam-Ham Detection, Media Upload, Group Chats, Personal Chats**
- Integrated **Firebase** as our primary database for users and their messages.

RcppConnect- An Android Application

- **Designed and Developed** a mobile app by **leading a team of 3** for our college that provided teachers and students with easy access to essential functionalities from any location.
- Implemented features such as: **Attendance Management System, Academics Portal and Event Hosting**
- Integrated **Firebase** for secure user authentication, real-time data sync, and role-based access for different user groups.
- Used **Java, Kotlin and Android Studio** to develop a User-friendly UI

EDUCATION

2020 - 2023	B.Tech in (Computer Engineering) at Cummins College of Engineering, Pune (GPA: 8.82)
2017 - 2020	Diploma in (Computer Engineering) at R.C. Patel Polytechnic, Shirpur (94.17%) <i>Silver Medalist</i>)
2016 - 2017	Class 10th CBSE, Kendriya Vidyalaya, Jalgaon (GPA: 8.8)

SKILLS

Programming & Development	AWS – Route53 + CloudFront + ECS + EC2, Python, Django, NodeJS, MySQL, MongoDB
Machine Learning	LSTM, Spam-Ham Detection