Sayak Mondal

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EDUCATION

Indian Institute Of Information Technology, Una	Una, Himachal Pradesh, India
Bachelor of Technology, Computer Science and Engineering, GPA: 7.88/10	***December 2020 - June 2024***

WORK EXPERIENCE

Product Stack (*SDE intern*) — **June 2024 - Present**
- Developed **AWS Lambda functions** to receive vendor details from the client-side front-end and authenticate **AADHAR, PAN, and GST information** using **Signzy services** via **RESTful APIs** for risk management and **KYC verification**.
- Devised a solution to securely store authenticated vendor data in **AWS S3 buckets**, ensuring **data integrity** and **compliance with security standards**.

MyFab11 (*SDE intern*) [Certificate] — **January 2023 - May 2023**
- Implemented **TrueCaller SDK**, **reducing manual verification time by 40%** and increasing new user sign-ups by **25%**, boosting revenue.
- Engineered a **backend-controlled tooltip system** using **MVVM (Model-View-ViewModel)** architecture, **reducing code redundancy by 30%**, enhancing maintainability.
- Launched a **rating feature** focusing on **user experience**, resulting in a **25% surge** in user engagement and a **10% boost** in overall app ratings.

PROJECTS

ExitPro | *Android Studio, XML, Kotlin, Node.js, Express.js, MongoDB* ○ : ExitPro Android ○ : ExitPro Back-end
- Automated student entry and exit logging using **barcode-based logging**, **boosting efficiency by 70%** and reducing wait times by **50%**, Applied **Retrofit** for API fetching and **RecyclerView** for log display.
- Secured entries and exits, preventing unauthorized access, **Fingerprint authentication** increased accuracy to **95%**, and the **OTP based authentication** system reduced unauthorized attempts by **80%**.
- Developed a **Node.js** and **Express.js** back-end with a **MongoDB Atlas** database, utilizing **Mongoose** for efficient data manipulation, **reducing data access time by 30%**, Implemented modular, clean code with standard naming conventions, **cutting debugging time by 40%** thereby enhancing maintainability.

Leafify App | *Java, XML, Android Studio, TensorFlow* ○ : github.com/sayak22/leafify/
- Engineered a Java-based Android app for leaf health classification (Healthy & Diseased) with an **accuracy of 95%**.
- Optimized **TensorFlow Lite** usage, reducing prediction latency by **20%** and improving overall application responsiveness.
- Upgraded features, **increasing user satisfaction by 30%** for capturing or uploading leaf photos and efficient health predictions.

TECHNICAL SKILLS

Languages:	C, C++, Python, JavaScript, Node.js, Express.js, MongoDB (NoSQL),Java, SQL
Relevant Coursework	Data Structures and Algorithms (DSA), Database Management Systems (DBMS), Operating Systems (OS), Object-Oriented Programming (OOP)
Technologies & Frameworks:	VS Code, Firebase, RESTful API, AWS (S3, Lambda, cloud9, CodeCommit), Postman, Linux, GitHub, Git, CRUD operations, Shell Scripting, Agile
Coding Profiles:	CodeChef Highest rating: 1732, GeeksForGeeks, LeetCode.

ACHIEVEMENTS

- Secured **Global Rank 3449** among 10K+ participants in **Google HashCode 2022**.
- **Winner** of the inter-branch football tournament, **Yalgaar '22'**.
- Finalist in **Technizibition** at **Cognizance 2021**, the tech fest of **IIT Roorkee**, among 150+ participants. [Certificate]

LEADERSHIP EXPERIENCE

- **Founded** and **led** the sports club of IIIT Una, **Zenith**, overseeing activities of 10+ sports. **September 2023 - Present**
- Endorsed 5+ **Microsoft** tech products as a student learn ambassador.[Certificate] **July 2022 - June 2023**
- **Directed** IIIT Una's event club, **EPMOC** as a **secretary**, organising 5+ new events. **December 2021 - October 2022**
- Coordinated 10+ seminars and workshops as a **GeeksForGeeks** campus ambassador. [Certificate] **June 2021 - May 2022**
- **Guided** 5 students in **Android development** at **SkillAbhidhuya**, a technical event hosted by the **FORCE** club, **IIIT Una**.