

Sayak Mondal

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EDUCATION

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

Product Stack (<i>SDE intern</i>) <ul style="list-style-type: none">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.	June 2024 - Present
MyFab11 (<i>SDE intern</i>) [Certificate] <ul style="list-style-type: none">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.	January 2023 - May 2023

PROJECTS

ExitPro <i>Android Studio, XML, Kotlin, Node.js, Express.js, MongoDB</i> 🔗 : ExitPro Android 🔗 : ExitPro Back-end <ul style="list-style-type: none">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 <i>Java, XML, Android Studio, TensorFlow</i> 🔗 : github.com/sayak22/leafify/ <ul style="list-style-type: none">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++, 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.
Soft Skills	Effective Planning, Teamwork, Communication, Leadership.
Coding Profiles:	CodeChef Highest rating:1732, 200+ questions solved on GeeksForGeeks and LeetCode .

ACHIEVEMENTS

<ul style="list-style-type: none">Secured Global Rank 3449 among 10K+ participants in Google HashCode 2022 [Certificate].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].
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LEADERSHIP EXPERIENCE

<ul style="list-style-type: none">Founded and led the sports club of IIIT Una, Zenith, overseeing activities of 10+ sports.Endorsed 5+ Microsoft tech products as a student learn ambassador. [Certificate]Directed IIIT Una's event club, EPMOC as a secretary, organising 5+ new events.Coordinated 10+ seminars and workshops as a GeeksForGeeks campus ambassador. [Certificate]Guided 5 students in Android development at SkillAbhidhuya, a technical event hosted by the FORCE club, IIIT Una.	September 2023 - Present July 2022 - June 2023 December 2021 - October 2022 June 2021 - May 2022
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