



Akshat Singhal

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B.Tech - Electronics and Electrical Engineering

Minor in Computer Science and Engineering

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Github

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.94 (Current)	2020-Present
Senior Secondary	CBSE Board	89.6%	2020
Secondary	CBSE Board	93.8%	2018

EXPERIENCE

- **Microsoft - Experience & Devices** May 2023 - July 2023
Software Engineer Intern Hyderabad, India
 - Created end-to-end network device health pipeline to provide dynamic exhaustive health analysis for real as well past time, collaborating with **HCCS/SIS/NES** teams to tailor solutions.
 - Proficiently utilized **Power BI, Azure functions, ADX**, and **Kusto** for data analysis to get Network devices crucial health metrics.
 - Integrated **Device Insights** in Sherlock application, Reducing Device incident ticket investigation by 50%.
- **Zirectly** March 2022 - April 2022
Software Developer Intern
 - Developed Domain and Subdomain webpage, a hotel room booking website for easier user interaction in **React** and Responsive layout for all devices.

PROJECTS

- **Torados** May 2022
Microsoft Engage Github
 - Developed a meal provider web application with integrated **Face Recognition** for authentication, allowing user to link their bank account and select meals fetched from the **MongoDB** database.
 - Utilized **face-api.js** for security recognition during checkout, leading to automatic payment from users' accounts.
 - Implemented enhanced security by integrating 2FA via OTP sent to users' registered email using **nodemailer**.
- **Ak-Meet** Oct. 2021 - Jan. 2022
Personal Project Github
 - Built a video calling app which enables video, audio, and text chat of participants using **WebRTC** and **socket.io**.
 - Implemented whiteboard, screen recording, remove from meeting, meeting schedule and Google authentication using **APIs** and **OAuth**.
 - Guided and mentored this project for a campus junta community of approximately 200-300 individuals, facilitating learning of web technologies.
- **Students Web Committee** March 2022 - Present
Senior Developer Github
 - **Placement Portal**: Built the placement portal used by CCD to smoothly conduct On-Campus placements.
 - **One Stop**: Wrote **APIs** to integrate all the hostels and food outlets menus in one stop application.
 - **Events Scheduler**: Built a campus-based platform for notification of events by the clubs using **React** and **MUI**.
- **Other Projects**
 - **Expense-Tracker** : A website for tracking yearly expenses of users, built using **React** and **React Hooks**.
 - **CA Portal**: Campus Ambassador Portal where registered users can participate and win reward points.

TECHNICAL SKILLS

Programming languages: C++

Database management: MongoDB, KQL, Firebase*

Web technologies: Tailwind, JavaScript, Node.js

Tools/Frameworks: React, Azure functions*, Django*

* Elementary proficiency

KEY COURSES TAKEN

Computer Science: Data Structures, Algorithms, Introduction to Computing.

Mathematics: Probability and Random Processes.

POSITIONS OF RESPONSIBILITY

- **Senior Developer**, Student's Web Committee. Apr. 2022 - Present
- **Hospitality Head**, Alcheringa, Annual cultural festival. Feb. 2023
- **Mentor**, Code Peak, Annual open source event. Dec. 2021 - Jan. 2022
- **Web Development Executive**, Alcheringa, Annual Cultural Festival. Oct. 2021 - Mar. 2022

ACHIEVEMENTS & EXTRACURRICULARS

- **Branch Changer**, among the **top 14** students in Chemical Engineering who got promoted to EEE. 2021
- **Spardha, Inter Hostel Sports Competition**, Won **Silver** and **Bronze** medal in 400m and 110m Hurdle race. 2022
- **Manthan, Inter Hostel Competition**, Won **Gold** medal in Monologue performance against 13 Hostels. 2023
- **Xpressions, IIT Guwahati**, acted in street play '**Male Stereotyping**' and Directed **3 Theatres**. 2022