GHULAM AHMED

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EDUCATION

New Jersey Institute of Technology   **Newark, NJ**
Bachelor of Science in Computer Science   **May 2025**

- **GPA:** 3.3/4.0
- **Relevant Coursework:** Object-Oriented Programming (**C++, Java**), **Data Structures** & Algorithms, Systems Programming (**C, Bash**), Machine Learning & Data Science (**Python, Pandas, Scikit-learn**), Database Design (**SQL & NoSQL**), Mobile App Development (**Kotlin**), Web Development (**HTML, CSS, JavaScript**)
- **Honors:** Dean's List (Fall 2021, Fall 2024, Spring 2025), Merit Based Scholarship

TECHNICAL SKILLS

- **Languages:** TypeScript, Java, SQL, Python, C++, C, JavaScript, Kotlin, Bash, HTML, CSS.
- **Frontend:** React.js, Next.js, React Native, Tailwind CSS.
- **Backend:** Node.js, Express, GraphQL, REST APIs, Prisma ORM.
- **Databases:** PostgreSQL, MongoDB, Oracle SQL, MySQL.
- **Tools & Platforms:** Git, GitHub, Docker, Jest, AWS, Azure, Linux, Supabase, Firebase, Postman.

WORK EXPERIENCE

Full-Stack Software Developer Intern   **May 2024 – September 2024**
SkyIT Services   *Remote*

- Maintained and improved a full-stack employee portal serving **600+ users**.
- Developed a task platform with **React** and **PostgreSQL**, improving task completion rates by 20%.
- Fixed high-priority bugs and launched enhancements, reducing task completion time by 10%.
- Shipped **5+ features**, including Google Calendar **API integration** for live scheduling.
- Led sprint planning & code reviews as **Team Lead** in a **SCRUM/Agile** environment for a team of 8 interns.

Generative AI Extern   **June 2024 – July 2024**
Cognizant   *Remote*

- Fine-tuned Hugging Face models, including **GPT-2**, for text classification & generation tasks.
- Used Parameter Efficient Fine-Tuning **(PEFT)** to boost model accuracy by 15%, reducing training time by 20%.
- Applied **data preprocessing**, model evaluation, and **hyperparameter tuning** to optimize model performance.

Brand Ambassador   **January 2023 – May 2024**
Momentum Solar   *South Plainfield, NJ*

- Consistently exceeded goals by 30%, generating 50+ quality leads monthly through sales & customer service skills.
- Ranked in the **top 5%** for key performance indicators among 80+ peers as the **youngest member** on the team.
- Simplified & explained complex concepts clearly, a valuable skill for engineering & **project management**.

PROJECTS

MechFind| TypeScript, React, React Native, Firebase   **May 2025 – Present**
Founder & Software Engineer

- Co-developing a web/mobile app to increase mechanic revenue (**SAS**), using Google Maps API for precise discovery.
- Using Software Engineering best practices, including **unit testing**, **modularity**, and **Test Driven Development**.
- Leveraging full stack development skills to implement user **authentication** and mechanic profiles through **Firebase**.

Live Lawyer | React Native, TypeScript, Express, Postgres, Twilio, Prisma ORM, Node.js   **January 2025 – May 2025**
Project Manager & Software Engineer

- Leading development of a web/mobile app to connect users with lawyers, using **React Native** & **TypeScript**.
- Manage a team of 5 developers and coordinate with stakeholders to align app development with business goals.
- Implementing real-time lawyer-client communication with **Twilio** for chat and video calls
- Utilizing **Supabase** & **Prisma ORM** for secure, scalable database management, including profiles & authentication.
- Integrating **Docker** for **containerization** to standardize environment, with plans for seamless deployment soon.

Covey-Mon | GitHub | TypeScript, React, NodeJS, Express, Jest   **September 2024- December 2024**
Software Engineer

- Extended Covey.Town framework by integrating a Pokémon-inspired game using **TypeScript** & **React**.
- Utilized **RESTful PokéAPI** to integrate Pokémon stats, abilities, and moves into a multiplayer environment.
- Collaborated in a **SCRUM team** using **Agile methodologies**, contributing to sprint planning & code reviews.
- Gained experience with **SDLC**, **CI/CD pipelines**, and open-source collaboration while deploying new features.