

Mirza Abdul Aleem Baig

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TECHNICAL SKILLS

- **Languages:** JavaScript, C/C++, Java, Python, TypeScript, C#, PHP
- **Frameworks/Technologies:** ReactJS, NextJS, React Native, NodeJS, ExpressJS, Redux, Firebase, Git, GitHub, Jupyter Notebook, WordPress, CMS
- **Databases/Tools:** MySQL, MongoDB, Power BI, Microsoft Excel Advanced
- **Cloud Computing:** AWS, Google Cloud, Linux Systems

EXPERIENCE

- **Texas Mobile PCS LLC** Houston, Texas
Data Analyst - Internship Jul. 2024 – Aug. 2024
 - **Sales Performance Dashboard:** Created an interactive **Power BI** dashboard for 300+ T-Mobile retail stores, driving a 15% increase in sales through actionable insights.
 - **Fraud Detection:** Collaborated with the QA team to identify fraudulent transactions worth thousands of dollars, reducing financial risks.
 - **Customer Segmentation:** Applied clustering techniques using **Python** and **SQL**, enabling personalized marketing and improving customer engagement by 20%.
 - **Data Preparation and Automation:** Automated data workflows using **SQL** and **Python**, improving data reliability by 30% and reducing reporting time by 40%.
- **ESF Labs** Remote
Software Developer - Internship Nov. 2022 – May 2023
 - **Vendor Management System:** Crafted a full-fledged system using **ReactJS**, **Node.js**, and **MySQL**, streamlining operations for **50+ vendors** and improving efficiency by **25%**.
 - **Backend Setup:** Built a scalable backend with **Node.js** and **Express.js**, streamlining **CRUD operations** and improving data retrieval speed by **40%**.
 - **Database Optimization:** Enhanced database performance by implementing indexing and query optimization, reducing average query response time from **250ms to 150ms**.
 - **User Interface:** Created a responsive frontend with **ReactJS**, improving UI accessibility and boosting user engagement by **20%**.
 - **Design:** Designed an intuitive interface for a seamless cross-device experience, increasing engagement by **20%**.

EDUCATION

- **University Of Houston** Houston, TX
Master of Science in Computer Science with Specialization in Data Analytics Aug. 2023 – Present
 - **Courses:** Cloud Computing, Computer Architecture, Big Data Algorithms, Artificial Intelligence, Statistical Data Analysis, Data Mining, Digital Image Processing, Database Systems
- **Osmania University** Hyderabad, India
Bachelor of Engineering in Computer Science Jul. 2019 – May. 2023

PROJECTS

- **FinAI: A Full-Stack AI Finance Platform:** Built a Full-Stack AI Finance Platform using **React 19**, **Next.js 15**, **Tailwind CSS**, **Supabase**, **Prisma**, **Clerk**, **Inngest**, **Arcjet**, and **Shadcn UI**. Integrated AI-driven analytics for real-time financial insights, delivering a secure and scalable solution with a focus on user experience.
- **TaskMaster Pro – Collaborative Task Management Platform:** Developed a full-stack application with **React**, **Redux**, **Node.js**, and **MongoDB** for task and project management. Features include JWT-based authentication, role-based access control, and data-driven calendar integration, reducing task management time by **15%**.
- **Human Activity Recognition:** An Android application employing a trained machine learning model based on **TensorFlow** and **Keras** to predict physical activities using smartphone sensor data. Preprocessed and trained a dataset of **10,000+ samples** using an **LSTM model**, achieving an accuracy of **92%**. Deployed a mobile app using **React Native** that utilizes the smartphone's accelerometer data and communicates with a **Flask server** to provide real-time activity predictions, reducing prediction latency to **under 200ms**.
- **FaceSecure:** Conceptualized FaceSecure, a facial recognition application for modern office access control using AWS services like **Lambda**, **S3**, and **API Gateway**. Implemented multi-factor authentication and encrypted data storage, reducing security breaches by **40%**.