

Adil Shaik

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EDUCATION

University of Georgia, Master of Science, Computer Science Athens, Georgia (**Aug 2023 – Dec 2025**)
Courses: Algorithms, Software Engineering, Database Management, Deep Learning, Networks GPA: 3.64/4.00
CVR College of Engineering, Bachelor of Technology, Information Technology Telangana, India (**Jul 2019 – Jun 2023**)
Courses: Object-Oriented Design and Development, Machine Learning, Artificial Intelligence GPA: 8.38/10.00

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Java, C, C++, Python
Technologies & Software: Machine Learning, Neural Networks, MS Excel, JIRA
Database & Tools: MySQL, MongoDB, Git, Docker, Postman, AWS CloudWatch, Google Cloud Platform
Frameworks: Angular, React, Node.js, GraphQL, Spring Boot, Scikit-learn, Pandas, NumPy, Flask, PyTorch

WORK EXPERIENCE

Graduate Research & Teaching Assistant, University of Georgia Athens, Georgia (**Jan 2024 – Present**)

- Engineered an AI-powered chatbot for the Textile Department using distributed systems to run predictions, automating 80% of inquiries and enabling real-time support with NLP, Python, and TensorFlow.
- Enhanced GarmentCode, a research-based Domain-Specific Language (DSL) for parametric garment modeling using innovative technologies, improving 3D sewing pattern accuracy and fabric utilization by 25%.
- Instructed and mentored 100+ students in Database Management Systems and Mobile Software Development, earning consistent recognition from faculty for elevating student engagement and project quality.

Associate Software Engineer, OpenPlay Technologies Pvt. Ltd. Telangana, India (**Aug 2022 – Jul 2023**)

- Optimized Next.js website by reducing bundle sizes and implementing static site best practices recommended by the Vercel team, boosting the Lighthouse score from 23 to 97 and improving search ranking from 10th to 4th.
- Led the revamp of query systems for player data management system with a team of 3 using Agile methodology, improving targeting and retention efforts, and contributing to increased player engagement and acquisition.
- Prevented a major DDoS attack and maintained low-cost infrastructure by using AWS CloudWatch and API Gateway rate limiting, blocking 200K+ malicious requests and avoiding thousands in Google Tag Manager costs.
- Streamlined wallet load API, reducing transaction failures by 21% and improving player experience during peak traffic hours.

Software Development Engineer, Prochal Technologies Pvt. Ltd. Telangana, India (**Dec 2021 – Aug 2022**)

- Created a serverless application enabling students to take assessments, track rankings, generate resumes, and apply for jobs using Next.js and MongoDB, resulting in a 30% boost in job placement success.
- Implemented a real-time analytics dashboard with an efficient index, allowing administrators to track student performance metrics and optimize placement strategies, improving employer-student matching.
- Implemented SWR-based caching, enabling components to receive real-time data updates and ensuring a fast, reactive UI experience.

ACADEMIC PROJECTS

Provide, Full Stack Development

[GitHub Link](#)

- Developed a social impact platform aligned with UN Sustainable Goals, connecting products to sellers and enabling 500+ interactions between affluent and underprivileged communities.
- Engineered a cloud-enabled platform for efficient resource distribution, recognized as a [Top 50](#) Global Finalist in the Google Solution Challenge 2022.

ACTIVITIES

Google Developer Group Lead, Google Developer Student Club Telangana, India (**Sept 2021 – Jul 2023**)

- Conducted a series of interactive coding workshops, leading approximately 100 students to create real-world applications; results included five student-led initiatives showcased at local tech events.
- Facilitated 150 developers through the Google Cloud certification process, leading to 135+ certifications earned, improving the group's collective skill set in key cloud technologies.

ACHIEVEMENTS

Secured rank 1 out of 60+ teams in CVR Regional Hackathon, CVR College of Engineering

Feb 2022