

AAYUSH ARORA

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Education

Manipal University

Bachelor of Engineering in Computer Science

October 2021 – June 2025

Jaipur, India

Work Experience

MAQ Software

Associate Software Engineer

January 2025 – June 2025

Noida, India

- Primarily worked with the client in developing interactive **Power BI** reports to analyze complex partner data and calculate revenue across 400,000+ global partners.
- Resolved critical UI issues and implemented visuals optimized for the data structure, reducing load time by 34%.
- Contributed to migration of the project from **Azure Databricks** to **Microsoft Fabric** as per client's technology shift.
- Optimized notebook logic while rewriting queries in **Spark SQL**, reducing notebook execution time and increasing overall pipeline performance by 23%.

Technical Skills

Languages/Web Technologies: C, C#, Java, Python, JavaScript, TypeScript, HTML, CSS, React, ASP.NET

Databases/Tools: SQL, MongoDB, Power BI, Azure, Databricks

IT Constructs: Data structures, Algorithms, Object-Oriented Programming, DBMS, Operating Systems

Personal Projects

PlayPulse - Video Sharing Platform | *React.js, Node.js, Express, MongoDB*

November 2024

- Built a YouTube-like website replicating 30+ key features including video upload, watch history & view tracking.
- Successfully hosted the project on Netlify, enabled user authentication through Google accounts.

EmotionAI - Real-Time Sentiment Analysis | *Python, OpenCV, TensorFlow (CNN)*

June 2024

- Developed a model to recognize and classify human emotions from live video using a pre-trained CNN architecture.
- Achieved a notable accuracy of 84.3% in classifying facial expressions, like sad, anger, etc., in real-time video.
- Demonstrated the model's potential in diverse applications, like human-computer interaction & market research.

Campus Job Portal | *React.js, Node.js, Express, MongoDB*

January 2024

- Designed and launched a campus-specific job portal, streamlining placement opportunities for students.
- Led front-end development, implementing features such as job posting, job search, and application tracking.
- Promoted fairness in the process by building transparent criteria through direct communication channels.

Leadership

Grow with Google

October 2023 - March 2024

Project Management Learners' Program

Remote

- Completed a 6-month Google-led training program on **Agile project management & Stakeholder engagement**.
- Delivered mock project simulations, utilizing Agile methodologies (Scrum) and project management tools (**JIRA**).

Awards and Achievements

- Achieved a competitive rating of 1550+ on **CodeChef**.
- Secured a position in the top 3% of participants in "The Reverse Shark Tank" hackathon.
- Reached the final round of **SmartInternz Program** hackathon by **IBM**.
- Ranked in the top 50 globally out of 3000+ teams in the "InCode" hackathon by **inDrive**.

Certifications

- Certified in Design and Analysis of Algorithms by **IIT Madras**, on clearing a **National-level exam**.
- Certificate of Appreciation from **Walmart** for reaching the final stage of the **Sparkathon**.
- Introduction to Generative AI course by Google Cloud.
- Student Level Credential** for Networking Essentials under a CISCO instructor's supervision.
- Virtual Engineering Program by Goldman Sachs.