

Sudhanshu Poonia

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Education

Thapar Institute of Engineering and Technology, Patiala

Graduation: Jun. 2023

B.E. in Computer Science and Engineering

GPA: 7.62/10

Relevant Courses: **Operating Systems, Object Oriented Programming (C++), Database Management Systems, Computer Networks, Algorithms and Data Structures I & II (C++)**

Experience

MAQ Software

Dec. 2023 – Present

Software Engineer 1 (Node.js, React, TypeScript, Power BI, SQL, Python, PySpark)

- Created a **SQL Visualizer** using **React** and **node-sql-parser** to help developers debug and understand SQL queries through intuitive visual representations.
- Built internal tools including a developer portal, an OpenAI model router, and dynamic reporting dashboards using **Node.js**, enhancing accessibility and automation of business insights.
- Developed custom **Power BI** visuals and optimized reporting pipelines using **React, TypeScript, Python, SQL, and PySpark**, improving query performance by 35%.

TimelyAI

Sept. 2023 – Dec. 2023

Software Engineer (Python, AWS, PostgreSQL, Git, GitHub)

- Architected and implemented scalable microservices and an automated image processing service using **AWS Lambda, CloudWatch, S3, Athena**, and **Python's Pillow library**, integrated with the **FIGMA API**.
- Improved system reliability through enhanced error handling and monitoring, reducing service interruptions by 40%.

Samsung R&D, Noida

Jan. 2023 – Jun. 2023

Research and Development Intern (Java, Kotlin, Android, JUnit, Mockito)

- Implemented comprehensive unit testing using **Mockito** and **JUnit** for a Clock Application, achieving 80% code coverage while collaborating with teams to add new features using **Java** and **Kotlin**.

Projects

Better Extensions

Nov. 2024 – Present

Suite of Chrome Extensions for Enhanced Browsing Experience (React, JavaScript, Chrome API, TailwindCSS)

- Developed three React-based Chrome extensions—Search With, Better New Tab Lite, and Better Skip Ads Button—delivering one-click search, productivity tools, and ad-skipping functionality. Achieved a combined user base of **95+ weekly active users**.

Wordle Versus

Jul. 2022 – Jul. 2022

2-Player Version of the Famous Wordle Game (React, JavaScript, Node.js)

- Developed a real-time multiplayer Wordle game using React, integrating robust game logic with a custom word validation API and synchronized opponent moves.
- Planned implementation of human vs. AI (computer) mode and 1v1 online mode using WebSocket for real-time competitive gameplay.

Certifications, Skills and Achievements

Skills:

Full-stack expertise in front-end development (**React.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, TailwindCSS, Material-UI, Redux**) and back-end development (**Python, Java, Node.js, SQL, PostgreSQL, PySpark, ETL**), complemented by proficiency in version control (**Git, GitHub**), API development, cloud deployment (**AWS, Azure**), and technical documentation.

Certifications:

- Microsoft Certified: Fabric Analytics Engineer Associate
- Problem-Solving (Intermediate) by HackerRank
- Python Basics for Data Science by IBM

Achievements:

- Secured 268 Global Rank in Reply Standard Code Challenge 2022
- Secured 242 All India Rank in Google HashCode'22
- Secured 2nd Rank in Digital Village Hackathon by Google DSC, TIET