Prajjwal Mehta

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WORK EXPERIENCE

JPMorgan Chase July 2024 – Present
Software Engineer I

- Engineered 'Auto Task Creation' workflow using Kafka Pub-Sub, decoupling task generation and increasing throughput.
- Pioneered Consumer-Driven Bidirectional Contract Testing (using Pact & Pactflow.UI) to prevent integration drift.
- Integrated Dynatrace for observability and executed rightsizing, reducing cloud infrastructure costs by ~{}15%.

JPMorgan Chase June 2023 – July 2023
Summer Analyst Intern

- Engineered Data Fetching Service using GraphQL and DAGs.
- Reduced complex query latency from 900ms to 10ms (98% reduction) via node-level caching.
- Built an internal debugging dashboard to reduce root-cause analysis time.

Entrepreneurship Development Cell 2022 – 2024
Tech Lead & Design Head

- Led digital presence for 'Pitchverse', optimizing image assets for faster load speeds.
- Managed a team of 5 designers/developers for marketing assets.

KEY PROJECTS

Covid-19 X-Ray Pipeline | Link *Python, PyTorch, ResNet-18*

- Built an automated image classification pipeline with data augmentation.

Custom Static Site Generator | Link *Node.js, EJS, Tailwind CSS, CI/CD*

- Built a custom static site generator from scratch to render this portfolio. Engineered a build pipeline using Node.js to parse YAML data and render EJS templates. Implemented a custom responsive design system with Tailwind CSS, featuring a persistent dark mode toggle and glassmorphism UI.

EDUCATION

Thapar Institute of Engineering and Technology 2020 – 2024
B.E. in Computer Science CGPA: 9.44/10.0

TECHNICAL SKILLS

Languages: Java, C++, JavaScript (ES6+), Python, SQL

Frameworks: Spring Boot, React.js, Node.js, Express, NextJS, GraphQL, Tailwind CSS

Infrastructure: Git, Docker, AWS, MongoDB, PostgreSQL

Concepts: Data Structures, Algorithms, OOP, REST APIs, System Design