

Puneet Patil

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EDUCATION:

San Diego State University, USA

Masters in Computer Science

August 2022 - May 2024

GPA: **3.81** / 4.0

Relevant Courses: Algorithm Analysis and Design, Modern Full-stack Web Development, Android Mobile Application Development, Scientific Database Techniques (DBMS), Machine Learning, Principles of Data Science

Atharva College of Engineering, Mumbai University, India

B.E. in Computer Engineering

August 2017 - May 2021

GPA: **9.09** / 10.0

Relevant Courses: Object Oriented Programming, Data structures and algorithms, Software Engineering (SDLC), Big Data and Analysis, Artificial Intelligence, Natural Language Processing, Computer Networking, Operating Systems

SKILLS:

Languages: Javascript, Java 8, Python, SQL, C++, Typescript

Databases: MySQL, MongoDB, PostgreSQL, Redis

Web and Cloud Technologies: React.js, Next.js, Node.js, Express.js, DOM, RESTful APIs, JWT, HTTP, TailwindCSS, Zod, JSON, Webpack, Babel, NPM, Bootstrap, HTML5, CSS3, SASS, jQuery, Microsoft Azure

Tools: Git, Github, Postman, Hasura GraphQL, Salesforce, Jest, Microservices, Docker, Kubernetes, VS Code, PyCharm

Libraries and Modules: RPC, Unit Test, Pandas, Numpy, Matplotlib, TensorFlow, JSQR

Operating Systems: Linux, Windows, Mac

PROFESSIONAL EXPERIENCE:

Lavin Entrepreneurship Center - SDSU Research Foundation

Software Engineer | (React.js, Javascript, Salesforce, HTML, CSS)

San Diego, USA

May 2023 - June 2024

- Built, managed, tested and debugged the website using **React, JavaScript, HTML and CSS**, resulting in a **25%** improvement in UI rendering speed.
- Collaborated with cross-functional teams and engineered modular components using **React** reducing bug-fix time by **30%** and minimizing code duplication by **25%**.
- Integrated **Web-to-Leads web form**, facilitating the generation of **1000+** leads and seamlessly transferring lead data to **Salesforce** leveraging **Apex Data Loader**, ensuring data accuracy and streamlined workflow.
- Formulated **450+** Visualforce email templates, increasing email response rates by **35%**.

GreetGood Retail

Software Engineer | (React, Node, Python, MongoDB, Redis, Jest, Docker, Kubernetes)

Ratnagiri, India

August 2020 - July 2022

- Spearheaded the development of a high-performance web application using **React, Redux, CSS3/SASS** and **Typescript**, leveraging **Node.js** for server-side operations, resulting in a **40%** increase in user engagement.
- Optimized front-end build processes using **Webpack, Babel**, and **NPM**, while implementing comprehensive unit and integration testing with **Jest**, reducing build times by **50%**, all while maintaining version control using **Git/GitHub**.
- Improved data management by optimizing storage with **MongoDB**, implementing **caching strategies** with **Redis**, and integrating front-end interfaces with back-end technologies, improving query response times by **30%**.
- Architected **RESTful APIs** using **Python**, enhancing system scalability and performance, resulting in a **30%** reduction in response times and led the migration of legacy systems to a **microservices architecture** using **Docker** and **Kubernetes**.

HIGHLIGHTED PROJECTS:

Netflix Full-stack Web App | (Next.js, Magic, JWT, Hasura GraphQL, RESTful API, Azure, SEO)

[Github Repo](#)

- Designed and deployed a full-stack Netflix clone on **Azure VM** with **Next.js, Magic, JWT** and **Hasura GraphQL** using **Server Side Rendering (SSR)** and **Incremental Static Regeneration (ISR)** to cut page load times by **20%** and enhance **SEO** by **15%**.
- Integrated YouTube's **RESTful APIs** for personalized content, showcasing advanced user experience design.

Real-Time Video Face Detection and Verification | (Node.js, Typescript, TensorFlow, JSQR)

[Github Repo](#)

- Engineered a high-performance **Node.js API** for a video-based KYC solution, achieving **95%** verification accuracy through advanced **TensorFlow** algorithms for real-time face detection and robust QR code scanning capabilities using **JSQR**.

File Syncer | (Python, RPC, Unit Test, Distributed Systems)

[Github Repo](#)

- Developed a **Python-based distributed file sharing system** utilizing **RPC** for **real-time synchronization** between machines, achieving **99%** replication accuracy and ensuring robust performance through **unit testing**.