

Puneet Patil

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EDUCATION:

San Diego State University, San Diego, CA

August 2022 - May 2024

Masters in Computer Science

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

August 2017 - July 2021

B.E. in Computer Engineering

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, Python, SQL, Typescript

Databases: MySQL, MongoDB, PostgreSQL

Web Technologies: React.js, Next.js, Node.js, Express.js, Spring Boot, DOM, RESTful APIs, JSON, Zod, TailwindCSS, NPM, Bootstrap, HTML5, CSS3, jQuery

Cloud Technologies: Microsoft Azure, IBM Cloud

Tools: Git, Github, Postman, Hasura GraphQL, Firebase, Salesforce, Docker, Kubernetes, Airtable, VS Code, PyCharm

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

Operating Systems: Windows, Mac, Linux

PROFESSIONAL EXPERIENCE:

Lavin Entrepreneurship Center - SDSU Research Foundation

San Diego, USA

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

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%**.

Eduvance

Mumbai, India

Software Engineer Intern | (Python, Pandas, Numpy, Matplotlib, IBM Cloud, Linux)

June 2020 - July 2020

- Analyzed and visualized data to classify Titanic passengers, achieving **82%** accuracy, demonstrating expertise in data analysis, statistical modeling, and algorithm optimization.
- Deployed machine learning models on **IBM Cloud** utilizing **IBM Watson**, streamlining the deployment process, showcasing expertise in cloud-based machine learning solutions and **Linux** environments.

HIGHLIGHTED PROJECTS:

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

[Github Repo](#)

- Designed & deployed a full-stack Netflix clone on **Azure VM** with **Next.js, Magic, & Hasura GraphQL** using **Server Side Rendering (SSR) & Incremental Static Regeneration (ISR)** to cut page load times by **20%** & 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, 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)

- 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**.

Brand Monitoring System | (Python, Tweepy, NLTK)

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- Architected an advanced tool with **87%** accuracy using **Tweepy** for tweet collection and **NLTK** for data preprocessing and classification.