

Tanya Jain

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SKILLS

Full Stack: Vue/Nuxt, React, Django, Flask, Express, NodeJS, Rust, PostgreSQL, MySQL, MongoDB, HTML5, CSS, SCSS, SASS, LESS.
Technologies: REST API, NGINX, Apache, Docker, Git, Operating System(Unix,Linux), ns3, \LaTeX , Postman, OpenAPI, GraphQL.
Cloud Technologies: AWS, GCP, Terraform, Kubernetes, EC2 S3, VPC, VPN, Bastion Host, API Gateway, EFS, Filestore, EBS.
Machine Learning: SciKit Learn, Tensorflow, Keras, Pytorch, Transformers, NumPy, Pandas, Matplotlib, Seaborn, D3JS.
Programming: Python, Javascript, TypeScript, C, C++, Java, Shell scripting, Bash scripting.

WORK EXPERIENCE

Lead Front End Engineer

Arrow Air (Open Source DAO)

San Francisco, CA

NOV 2022 - PRESENT

Enhanced rendering speed, achieving a First Contentful Paint (FCP) under 1.5 seconds.
Halved latency in legacy program & ensured cross-browser compatibility across devices.

Senior Software Engineer

Prismberry Technologies

Noida, India

MAR 2022 - JUL 2022

Increased NLP accuracy by 20% with new language BERT models on RTX 3080Ti GPUs.
Boosted user engagement 25% by revamping e-commerce backend with Stripe & audio processing.
Cut SQL query time 93%, from 15s to <1s, optimizing site performance.
Enhanced software reliability 15% via test-driven development and code maintenance.

Senior Software Developer

Essentia Softserv LLP

Noida, India

JUN 2020 - FEB 2022

Saved over \$9,000 and reduced timeline by 40% with automation and agile methods.
Raised client satisfaction by 15% by delivering project 3 months ahead of schedule.
Increased successful transactions by 5% with Razorpay integration in e-commerce app.
Improved task completion by 10% while managing a team of 10 trainees in diverse roles.

Full Stack Developer

Letstream

Noida, India

MAY 2018 - MAY 2020

Designed, developed, tested, deployed & maintained full stack web and mobile applications.

LEADERSHIP

Leader and Tutor

Girl Tech Power, Computer Science Department, University of San Francisco

San Francisco, CA

OCT 2022 - NOV 2022

Instructed 42 middle school girls on coding using Python. [Craig Newmark](#) funded this initiative.

Technical Project Head

LeBow College of Business, Drexel University

Philadelphia, PA

MAY 2019 - JUN 2019

Architected a centralized database serving 250+ users & developed the [AJ Drexel Autism Institute](#) website.

Co-founder. Vice President (2017), President (2018).

ALiAS Tech Society

Noida, India

AUG 2016 - NOV 2020

Led 2000+ students engagement, represented in conferences globally. Fostered open source culture.

EDUCATION

University of San Francisco

M.S. in Computer Science

San Francisco, CA

MAY 2024 (Projected)

Thesis - Auto Integrate. Automated ETL for API integration with LLM based multi-agent AI frameworks.

Amity University, Noida.

B.Tech. in Computer Science & Engineering.

Noida, India

MAY 2020

Specialization: **Artificial Intelligence.** Class Rank 4.

Thesis: Analysis of Vehicle Collision Prediction Algorithms Using CNN [↗](#).

CERTIFICATION

Microsoft Technology Associate: Database Administration Fundamentals (MTA)

SEP 2019

SELECTED PROJECTS

bulava JUL 2023
Built a MERN full-stack web app with JWT authentication for event management & RSVP functionality.

comedian APR 2023
Developed a joke recommendation system with a **0.2 RMSE score** using random forest regression, incorporating demographic collaborative filtering and BERT models for abusive traits and sentiment analysis.

ns3 network simulation and packet transmission analysis FEB 2023
Simulated bulk packet transmissions with QoS mechanisms: Strict Priority Queuing, Deficit Round Robin. Analyzed TCP & UDP packet interactions on Linux, focusing on RST packet analysis using raw sockets.

Pandas (Open Source) MAY 2018
Improved documentation used by 933K+ repositories. Performed data analysis and visualisation.

systemd.service files MAY 2017
Produced shell scripts utilizing systemd.service files to automate tasks. Demonstrated at [LinuxChix India](#).

ACHIEVEMENTS, PRIZES AND HONORS

- Awarded **Shri Baljit Shastri** for Best Human Values & Tradition among 900+ at Amity University, 2020.
- Won **Best Website Design** at [TRACE 2018](#) for GIS app aiding Himalayan irrigation & soil research.
- Invited by the Ministry of Electronics & Information Technology to the 2014 [MyGov](#) event for volunteerism and participative governance, attended by India's Prime Minister and 2000+ delegates.
- Received a scholarship for top performance in Goethe Institut's Fit in Deutsch 2 exam, October 2013.