Praneet R.S

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github.com/Praneet-R-S

Education

B.Tech Computer Science and Engineering, *S.R.M University* Aug 2023 – Expected May 2027 | Chennai, India
CGPA - 9.68/10

Experience

AI/ML Intern, *Flexidigit Technologies* May 2026 – Present
- Architected a reusable multi-agent orchestration engine (CrewAI, n8n) automating an end-to-end production workflow.
- Built an AI hiring platform where 9 agents read job posts, find candidates and rank them into a shortlist.
- Automated the recruiter pipeline from shortlist to interview to placement, verified by 111 automated tests

R&D intern, *National Institute of Technology, Trichy* Jun 2025
- Benchmarked energy-based anomaly detection against statistical thresholding baselines on time-series sleep data; evaluated across accuracy and false-positive rate
- Profiled and optimized the NumPy inference pipeline, reducing latency 30%; validated on held-out subject data

Projects

SANGAM - AI Material Code Matching Aug 2026 – Sep 2026
- Built an AI tool that flags duplicate part codes across government companies, preventing double purchasing
- Reached 97.9% F1 on 1,800 test records with 17 ms response time, while each company keeps its own codes

Peer Organ — Organ Matching & Donation Network Jan 2026 – Mar 2026
- Built an organ donation platform that ranks donor-patient matches by blood type, tissue fit and distance
- Added ID-verified sign-up, legal digital consent and a hospital dashboard to approve cases and plan transport

Product Demand Forecasting System Mar 2026 – May 2026
- Predicted product demand with LSTM and ARIMA models at 94% accuracy to help prevent over- and under-stocking
- Built a web dashboard on top of the models to track and plan inventory for 1,000+ products in real time

Publications

Patent Publication, *Solar Panel Efficiency Optimization System* May 2026
Solar Panel Efficiency Optimization System for Rural Applications - Engineered and benchmarked 7 ML models for predictive performance analysis; Indian Patent Journal, **Journal No. 20/2026.**

Skills

- **Languages:** Python, C++, C, TypeScript, JavaScript, SQL
- **AI & ML Areas:** LLMs, Multi-Agent Systems, NLP, Information Retrieval, Deep Learning (LSTM), Time-Series Analysis
- **Libraries & Frameworks:** scikit-learn, NumPy, pandas, Sentence-Transformers, CrewAI
- **Systems & Tools:** FastAPI, NestJS, Next.js, PostgreSQL, Redis, Docker, Microsoft Azure, Git, n8n

Leadership & Extracurriculars

Co-Founder & President, *Synergy Club, SRM University* Aug 2025 – Present
- Co-founded a student tech club and grew it to 200+ members; now lead it as President
- Organize hackathons, coding workshops and innovation challenges, and run hands-on AI and ML learning sessions

Awards and Honors

HackNova - Winner, *Hackathon conducted by SRM Easwari College* Mar 2026
Built ML-driven organ compatibility matching system for real-time donor-recipient pairing for hospitals to streamline donor-recipient coordination during critical cases.

Nexathon - Runner up, *Hackathon conducted by Vel Tech Multi Tech College* Feb 2026
Student finance planner that predicts savings, budgets, and goal timelines with smart, interactive projections.

Abacus Grandmaster (Certified), *SIP Abacus* 2021

Volunteering

Spastics Society, Trichy, *Volunteer* Jun 2025 – Jul 2025
Assisted differently-abled children in basic computer literacy and interactive activities. Supported event organization and awareness campaigns for inclusivity in education.

Student Ambassador, *Social Service* 2021 – 2023
Led school-level social drives, donation events, and environmental awareness programs.