

PRANAV KRISHNA Y

Chennai, India

📞 +91 7305711669 ✉️ pk20052023@gmail.com 🔗 [linkedin.com/in/pranav-krishna-y-93a910288](https://www.linkedin.com/in/pranav-krishna-y-93a910288) 🌐 github.com/Pranav362k05

EDUCATION

SRM Institute of Science and Technology

B.Tech, Computer Science and Engineering | CGPA: 8.23/10

Chennai, India

Aug 2023 – May 2027

EXPERIENCE

Autointelli Systems Pvt. Ltd

Cybersecurity Intern

Chennai, India (Virtual)

Jun 2026 – Present

- Deployed and configured GLPI on a Linux server as part of a team ITSM implementation project, handling system setup and environment preparation.
- Designed incident management workflows including ticket category structure, user role hierarchy, and automated ticket lifecycle (creation, triage, resolution) for a simulated enterprise environment.
- Designed a REST API integration plan to enable cross-team automated ticket creation from monitoring threshold alerts, bridging ITSM and IT Asset Management layers.

Securden Technologies Pvt. Ltd

Software Development Intern

Chennai, India

Jul 2025

- Developed backend modules using Python and Django (models, views, forms) within an enterprise Privileged Access Management (PAM) product codebase.
- Understood PAM and EPM security architectures by working directly within a production cybersecurity product environment.
- Recognized for quick adaptability in a fast-paced professional development environment.

PUBLICATION

Analyzing Psychological Factors Influencing Placebo Response Using Machine Learning

6th IEEE International Conference on Intelligent Technologies (CONIT 2026) | KLE Institute of Technology, Hubballi

Jun 2026

PROJECTS

Placebo Response Prediction | *Python, Scikit-learn, Pandas, NumPy, Matplotlib* | 🌐

Dec 2025 – Apr 2026

- Engineered a 19-feature dataset across psychological, personality, and clinical domains (~13,750 samples); preprocessed using SMOTE and stratified 5-fold cross-validation to handle class imbalance.
- Trained and tuned three classification models (Logistic Regression, Random Forest, and SVM); Random Forest achieved the best performance with 82% accuracy and a ROC-AUC of 0.91, demonstrating complex non-linear relationships among psychological predictors.
- Performed feature importance analysis identifying Optimism and Emotional Resilience as top predictors of placebo responsiveness; findings align with clinical psychology literature on treatment expectancy and adaptive coping.
- Research presented at IEEE CONIT 2026 and accepted for publication — contributed to interdisciplinary ML applications in clinical trial design and personalized therapeutic intervention.

Mobile Banking Backend with CI/CD | *Flask, Docker, Jenkins, Kubernetes, Terraform* | 🌐

Mar 2026 — Jun 2026

- Developed a containerized mobile banking backend application using Flask with automated CI/CD workflows for reliable software delivery.
- Built a Jenkins CI pipeline to automate dependency installation, unit testing, and Docker image creation; integrated GitHub Actions for continuous integration.
- Containerized the application with Docker Compose and created Kubernetes manifests for deployment and orchestration on Minikube.
- Provisioned AWS infrastructure (EC2, ECR) using Terraform to enable reproducible deployment environments.

E-Commerce Platform – Malar Manickam Baskets | *React, TypeScript, Supabase, Razorpay API*

Jun 2026 – Present

- Developing a full-stack e-commerce platform for a real small-business client featuring product catalog, Google OAuth authentication, Razorpay payment integration, admin order management, and contact-to-email inquiry workflows.
- Building responsive frontend components using React and TypeScript with Supabase for authentication, database operations, and backend services.
- Leading end-to-end development by gathering client requirements, implementing frontend and backend features, integrating third-party services, and preparing the application for deployment.

CERTIFICATIONS

Red Hat Certified System Administrator (RHCSA) – Red Hat

Mar 2026

Oracle Certified Professional: MySQL 8.0 Database Developer (In Progress) – Oracle

Expected: Aug 2026

Networking Basics – Cisco Networking Academy

Nov 2025

Introduction to Machine Learning – NPTEL

Sep 2025

EXTRACURRICULARS

Event Management Lead , SRMIST ACM Student Chapter	Jan 2025 – Feb 2026
Student Member , IEEE SRMIST Student Branch	Jan 2024 – Nov 2025
Corporate Domain Member , GitHub Community SRMIST	Nov 2023 – Jul 2025
Teaching Volunteer , Annai Fathima Child Welfare Centre – recognized by Member of Rajya Sabha	May 2025

TECHNICAL SKILLS

Languages : Python, Java, C, C++, JavaScript, TypeScript
Backend & Web Development : Django, Flask, React, REST APIs, HTML, CSS, PHP, MySQL, Supabase, Razorpay API
Cloud & DevOps : Docker, Kubernetes, Terraform, Jenkins, AWS (EC2, S3, IAM, CloudWatch, EBS), Git
Data Science & Machine Learning : Scikit-learn, Pandas, NumPy, Matplotlib
Systems & Security : Linux (RHEL), Shell Scripting, GLPI, PAM/EPM
Design & Collaboration : Figma
Languages Spoken : English, Tamil, Hindi, Malayalam