

# PRABU M

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## SUMMARY

Passionate B.Tech student in Artificial Intelligence and Data Science with strong programming skills and growing expertise in data-driven solutions. Skilled in Python, Machine Learning, Deep Learning, and MySQL, with hands-on experience in data science projects and Grafana-based visualizations. Demonstrated leadership and discipline through NCC ('B' Certificate). Looking to bring innovation, curiosity, and a proactive mindset to an impactful internship opportunity.

## EXPERIENCE

### Augmented Reality/Virtual Reality (AR/VR) Internship

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- Completed a 10-day offline internship focused on AR/VR technologies.

### Svasti (One-Year Membership Program)

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- Worked on AI-powered IoT data systems, YOLOv8-based object detection, vehicle speed measurement, and chatbot development projects.

### Python Programming Course

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- Completed a 30-day online course in Python programming, focusing on
- practical applications.

### Data Science Course

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- Completed a 30-day online course in Data Science, covering essential tools and techniques.

## PROJECTS

### SOLAR-POWER-PREDICTION

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- Involves forecasting solar energy generation using historical weather data, machine learning
- models, and real-time environmental conditions.
- Includes MySQL integration to store predictions and Grafana visualization for
- monitoring and displaying real-time data and alerts.

### OMNIX AI Assistant

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- A fully offline, voice-activated AI assistant built for real-time assistance, incorporating speech recognition,
- NLP, computer vision, and deep learning.
- OMNIX aims to provide human-like interactions with advanced generative AI features.

### AI Study Planner

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- Developed using LLM DeepSeek and YouTube API to provide personalized study plans, leveraging natural
- language processing to recommend educational content based on user preferences.

## EDUCATION

### B.Tech in Artificial Intelligence and Data Science (Ongoing)

Minor in string • Velalar College of Engineering and Technology (VCET), Thindal, Tamil Nadu • string • 2022 – 2026 • 7.6

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### SSLC: 72%

Minor in string • Government Boys Higher Secondary School (GBHSS), Kavindapadi, Tamil Nadu • string • May 2020 • string

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### HSC: 76%

Minor in string • Government Boys Higher Secondary School (GBHSS), Kavindapadi, Tamil Nadu • string • May 2022 • string

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## INVOLVEMENT

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### NCC Cadet

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- NCC Cadet: 'B' Certificate holder with 2 years of real-time experience in leadership, teamwork, discipline, critical
- thinking, and time management through rigorous National Cadet Corps training.
- Attended a 10-day NCC camp,
- enhancing resilience, responsibility, and coordination under challenging conditions.

### Symposium Coordinator (Celestix'24)

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- First-ever coordinator for the AI & DS department's inaugural symposium, demonstrating
- organizational, leadership, and event management skills.

### Project Expo Participation

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- Represented innovative tech solutions like OX CyberShield and FocusFlow in college-level project
- expos, showcasing strong communication and demo skills.

### NSS Volunteer

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- Participated in a 5-day NSS camp, contributing to social service initiatives and community development, while
- building a strong sense of civic responsibility and teamwork.

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## SKILLS

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Python, C, Java, SQL

Git & GitHub, Google Colab, VS Code, Jupyter Notebook, Grafana, MySQL, MQTT

ML & AI, Deep Learning, Generative AI, Data Preprocessing & Evaluation, Data Structures & Algorithms (DSA)

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