BANOTHU REVANTH

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Career Objective

To pursue a challenging career and be part of a dynamic environment that provides opportunities to enhance my skills, leverage my abilities, and contribute to the efficient and successful completion of projects.

Educational Qualifications

Course	University / College	Year of Passing / Percentage / CGPA
B. Tech (Computer Science and Engineering)	Gandhi Institute of Technology and Management, Visakhapatnam	2022 - Present (7.25 CGPA)
Intermediate	SR Junior College, Hanamakonda	2021 - 2022 (70%)
SSC	Thakshashila High School, Mahbubabad	2020 (10.0 CGPA)

Internships

DRDO – Intern | Offline AI Tools, LLMs, Computer Vision — **May 2025 – Jul 2025**

- Created safe AI tools for offline, low-resource settings.
- Developed an **Offline PDF Analyzer** using local LLMs with OCR capability to extract and answer queries from PDF/DOC files without internet access.
- Contributed to a **Weapon Recognition System** using OpenCV and YOLOv8 for real-time firearm detection from video sources.
- Built modules to provide detailed **weapon specifications, usage data, and defense-related information**.

Palo Alto Networks – Virtual Intern | Cybersecurity, Threat Intelligence, NGFW — **Apr 2025 – Jun 2025**

- Paralleled real cybersecurity concepts through immersive virtual labs.
- Mastered tracking and analysing the workflows of **threat intelligence** – spotting IOCs and leveraging threat feeds to stay ahead of threats.
- Experienced setting up **firewall rules** through Palo Alto's NGFW, gaining exposure to enterprise-level security.
- Participated in **incident response exercises**, enhancing skills in attack defense, log analysis, and applying zero-trust security principles.

Projects / Research

Biometric + OTP Based Secure Authentication Model for Internet Banking | Biometrics, RSA, Mobile Security — **Jan 2025**

- ∗ Proposed a **biometric verification model integrated with OTP** to enhance online banking security.
- ∗ Developed a **mobile app** generating transaction-specific OTPs locally, reducing risks from phishing and MITM attacks.
- ∗ Incorporated **RSA encryption and chaotic sequence-based challenge questions** for robust two-factor authentication.

Anomaly Detection in Network Traffic Using Deep Learning | Networks/IoT, Python, Deep Learning — **2025 – Ongoing**

- ∗ Designed a deep learning-based system to detect **abnormal patterns in network traffic**, improving accuracy in identifying cyber threats.
- ∗ Implemented models for anomaly detection to safeguard **IoT and enterprise networks** against malicious activities.
- ∗ Utilized **Python and deep learning frameworks** to analyze real-time traffic and classify anomalies efficiently.
- ∗ Project guided by **Sasibhushana Rao Pappu** and currently in **ongoing development** phase.

Achievements

- GATE 2025 — Qualified
- AIR 223 in Coding Ninjas Premier League among 10k+ participants
- Rajasthan Police Hackathon — Top (7)
- 3rd Prize — IIT Bhilai Boat Racing at Meraz 2.0
- Winner — District-level Cricket Tournament

Technical Skills

- **Programming:** Java, Python
- **Tools / Platforms**: Git, VS Code, JavaScript, React, OpenCV, Wireshark, Nmap, Burp Suite
- **Web Technologies**: HTML, React, Tailwind CSS
- **Relevant Coursework**: Data Structures, Database Management, Computer Networks, Artificial Intelligence, Machine Learning
- **Operating Systems**: Windows, Linux

Certifications

- Fortinet Certified Associate — Fortinet Sep 2024 – Sep 2026
- Threat Intelligence Analyst — arcX Aug 2024
- GitHub Copilot for Python — Microsoft Jun 2024
- Getting Started with Enterprise AI — IBM Jun 2024
- CCNA Introduction to Networks — Cisco May 2025

Leadership / Extracurricular

Social Content Provider — IIT Dharwad **April 2023 - July 2023**
- Created engaging digital campaigns and content for a technical club.
- Designed promotional materials and strategies to increase event participation.
- Collaborated with core teams to enhance event visibility across platforms.

Gully Cricket Coordinator — Dillo Ball **October - 2021**
- Organized and managed cricket tournaments with 800+ participants.
- Coordinated match fixtures, logistics, and volunteer teams.
- Ensured smooth execution and maintained fair play standards.

Microsoft Student Ambassador **Aug 2024 – Oct 2024**
- Conducted workshops on **Azure, GitHub Copilot, and Python AI tools**.
- Mentored 20+ students in **AI and ethical hacking fundamentals**.
- Promoted adoption of cloud and AI tools through campus events.

Strengths

- Quick learner with strong problem-solving mindset
- Effective communicator and collaborative team player
- Adaptable to dynamic and challenging environments
- Consistent performer under deadlines
- Strong foundation in Cybersecurity and AI concepts

Hobbies & Interests

Exploring AI tools • Building personal tools • Freelance problem-solving • Community tech events • Playing cricket