

MANOJ NARAYAN

Bengaluru, Karnataka

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Profile

Software Developer with hands-on experience in backend, cloud, and AI-driven applications. Proficient in Java, database management systems, and full-stack development, with a strong foundation in building scalable, user-focused solutions.

Technical Skills

Languages: Java, SQL, Python, JavaScript

Web Technologies: HTML5, CSS3, REST APIs

Frameworks and Tools: Spring Boot, Git, GitHub, Postman, Figma, Linux

Cloud Platforms: AWS (EC2, Lambda, RDS, S3), Google Cloud (Vertex AI, BigQuery, Gemini API)

Practices and Concepts: SDLC, DOM, TCP/IP, Agile, Scrum

Projects

Agricultural Machinery Renting Portal | *IVRS(Twilio), WhatsApp API, AWS S3*

- Architected a rural-tech platform integrating IVRS and WhatsApp chatbots for on-demand agricultural equipment rentals, improving accessibility for 50+ users.
- Enabled 120+ rentals/month for 50+ farmers, reducing booking time by 40% and increasing platform satisfaction by 30%.

Link-Book: Hybrid Social-Professional Platform | *Java, MySQL, Spring Boot, HTML, CSS, JavaScript*

- Created a hybrid networking application combining features of LinkedIn and Facebook with complete SDLC ownership.
- Managed end-to-end SDLC: requirements, UI/UX design, backend development, testing, and deployment, reducing bug reports.

CyberShield: AI-Powered Cyberbullying Detection System | *Python, LSTM, AWS Lambda, Twitter API*

- Developed a solution to detect cyberbullying in multimodal inputs: text, image, & voice using LSTM-based classification.
- Automated real-time blocking and dynamic reputation scoring, improving community safety.

Wave to Control: Touch-Free Media Interface | *Arduino, Ultrasonic Sensors, Python, Serial Communication*

- Designed a contactless media controller using ultrasonic sensors for accessible and hygienic user interaction.
- Enhanced responsiveness by reducing latency 50% (200ms→100ms), tested with 50+ end users.

Experience

SmartBrains Engineers & Tech

Sep 2024 – Jan 2025

Software Development Intern

Bangalore

- Engineered and deployed three web modules, boosting UI/UX scores by 20% based on 50+ user feedback surveys.
- Integrated MySQL migrations via GitHub Actions, reducing deployment time from 10 to 7 minutes (30%↓) across 10+ releases.
- Collaborated in Agile sprints with cross-functional teams, demonstrating communication and coordination skills to achieve 15% faster feature rollouts across product lines.

Indian Institute of Science (IISc)

Jun 2024 – Aug 2024

Research and Development Intern

Bengaluru, Karnataka

- Enhanced image annotation workflows by 25%, accelerating data labeling speed from 40 to 50 images/hr for AI model training.
- Enhanced LiDAR-camera sensor fusion module to boost object detection precision by 18%, validated across 500+ test samples.

ComedKares

Oct 2023 – Dec 2023

Research Intern & Team Lead

Bengaluru, Karnataka

- Led a team to build a cloud-based rental solution integrating IVRS and WhatsApp APIs, facilitating 100+ rural rentals/month.
- Recognized as “Best Team Leader” for aligning project execution with SDG 8 and scaling platform outreach by 30%.

Education

Atria Institute of Technology, BE in Computer & Information Science and Engineering (CGPA: 8.2/10)

2021 – 2025

Certifications

- **Certified Usability Analyst** - NASSCOM (Jan 2025)
- **Basics of Cloud** - Infosys Springboard (Dec 2024)
- **Database Management Systems** (Dec 2024)
- **Machine Learning Basics** - VOIS (July 2023)
- **Java Programming Fundamentals** (Dec 2024)

Achievements and Accomplishments

Effective communicator with proven leadership, adaptability, problem-solving, and teamwork skills gained through hackathons, projects, and cross-functional collaboration.

- **Leadership:** President, IUCEE, AIT Bangalore | **Co-Founder**, Entrepreneurship Cell (IIT-B Finalist) | Mentor for 10+ juniors.
- **Innovation & Problem Solving:** Top 5 – Google Build & Blog | **Winner** – National Student Forum | **Finalist** – NEC, IIT Bombay
- **Teamwork:** Winner CICADA Hackathon | **Runner-up** MAKEATHON & 5+ events | Built MVPs with diverse cross-functional teams
- **Recognition:** Student of the Year (School- BES) | **Spirit of the College** (Class 12 - VidyaMandir) |
- **Communication & Coordination:** Hosted TEDx, Sapthrang, tech summits | Led logistics + volunteer teams for 1,000+ attendees.