

Balu Pasumarthi

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OBJECTIVE

Aspiring Software Developer seeking a Software Developer role to apply problem-solving, data-structures knowledge, and full-stack development skills to build scalable, impactful software.

EXPERIENCE

Software Engineer Intern: Medixcy

May 2025 - July 2025

New Delhi, India

- Designed **RESTful APIs** for the Product Management module using **Node.js** and **Express.js**, reducing data processing time by **15%** and improving front-end and back-end integration.
- Optimized **database queries** and implemented **caching strategies**, achieving **30% improvement** in API response times while maintaining data integrity.
- Developed responsive **React components** and integrated **JWT-based authentication**, enhancing security and user experience.

PROJECTS

PayVault (Digital Wallet System) | *React.js, Node.js, Express.js, MongoDB*

[Live](#)

- PayVault is a full-stack digital wallet platform handling **200+** secure transactions, supporting fund transfers, detailed history, and balance management. Features include **JWT** session auth, autopay scheduling, a chatbot using **LangChain** and dashboards for spending analytics.

ConnectNow (Social Networking Application) | *React.js, Node.js, Express.js, MongoDB*

[Live](#)

- ConnectNow is a full-stack social networking platform enabling **500+ users** to discover and connect through personalized feeds. It supports real-time chat using **Socket.io**, efficient connection request handling and implemented a **chatbot** using **LangChain** for customer support.

JobTrack (Job Search Automation Tool) | *n8n, JavaScript, Google APIs*

- JobTrack automates LinkedIn job searches for **100+** internships, jobs daily using **n8n workflows** and **Google APIs**. It filters results by keywords, location, and experience, sending real-time Telegram notifications with relevant opportunities, reducing stress in searching for job opportunities

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, C, SQL

Frameworks: React.js, Node.js, Express.js, HTML5, CSS, REST APIs

Databases & Tools: MongoDB, Git, GitHub, Postman, AWS (EC2, S3)

Coursework: Data Structures & Algorithms, DBMS, OOPs, OS, Computer Networks, Machine Learning

EDUCATION

G.V.P College of Engineering (A)

Visakhapatnam

B.Tech in Computer Science & Engineering (AI & ML), CGPA: **8.86/10**

Nov 2022 - May 2026

HONORS AND ACHIEVEMENTS

Competitive Programming

- Top 5% in Amazon ML Challenge among **80,000+** participants
- Rank **1418** in **Codefest'25 Prelims** among 20,000+ participants
- LeetCode: Achieved **Knight** Badge with Rating **1850+** (**Top 5.8%**)
- CodeChef: **3 star** (Max Rating: **1600+**)

Hackathons

- 1st Place in **HackTank Hackathon (Hosted by IIT Kharagpur)**: Developed a video proctoring system that detects real-time exam anomalies.