

Manish Reddy Nandineni

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EDUCATION

CMR College of Engineering & Technology, Hyderabad, India

2018 – 2022

Bachelor of Technology in Computer Science & Engineering

CGPA: 8.34 (First Class with Distinction)

Relevant Coursework: Data Structures & Algorithms, DBMS, Design & Analysis of Algorithms, Blockchain Technologies, Object-Oriented Programming, Design Patterns, Operating Systems, Computer Networks and Artificial Intelligence

WORK EXPERIENCE

SIEMENS EDA

Hyderabad, India

Senior Software Engineer

Dec 2023 – Present

Software Engineer

Jul 2022 – Dec 2023

Software Developer Intern

Jun 2021 – Jun 2022

- Progressed from an intern to a full-time software engineer within one year, showing rapid upskilling and collaboration.
- Contributed to a team of engineers producing E/E system software for renowned customers in aerospace and defense sectors.
- Refined Java and database skills in an agile setting. Fixed high-impact defects in enterprise systems used globally. Programmed user stories for new capabilities, participated in continuous design and code reviews, enabling accelerated delivery of enhancements.
- Developed 10+ business-critical features over 2 years, significantly enhancing tools that drive 30% of product suite revenue.
- Collaborated with quality analysts, product managers, and other engineering teams to deliver scalable solutions.

CONTENTERRA SOFTWARE

Hyderabad, India

Software Development Intern

Feb 2021 - May 2021

- Optimized and automated testing programs, reducing report turnaround times by 600% and significantly improving process efficiency.
- Demonstrated ability in Node.js and Python to develop data management and consolidation scripts, reducing data entry times.
- Exhibited initiative by conducting comprehensive end-to-end testing and resolving critical issues prior to launch, enabling on-time deployment of a safety app for women in paying guest hostels, developed in collaboration with the city's police department.

ACADEMIC PROJECTS

VeriCert - A Blockchain Based Credential Verification System - Whitepaper

- Led the team of three members and developed the backend of a private blockchain network utilizing Hyperledger Besu, an Ethereum framework, involving building smart contracts using Solidity.
- Reduced transaction times to under 1 second when processing bulk transactions, compared to 2-3 hours typically required to add 100 certificates on traditional public blockchains.

Laxmi Asu Machine Enhancement

- Worked under the guidance of inventor Padma Shri Chintakindi Malleshham to enhance the Asu Machine, his innovation.
- Leveraged Arduino technology to help enable artisans in Pochampally prototype diverse fabric design, as part of an initiative under Purdue University's EPICS program and expanded the design capacity from a mere 5 to 10 designs to a range of over 1000 designs.
- Successfully reprogrammed the control unit and integrated it into the existing system to build a working testable prototype.

De-Cent Books

- Developed a decentralized e-commerce application using Solidity smart contracts over the Ethereum network for a hackathon.
- Utilized React.js for front-end development and integrated Ether trading functionality using Rinkeby testnet and Truffle.

Code Runner

- Developed a free to use online code compiler and empowered users to run code in four different languages (C, C++, Java, and Python) at any time and eased faster coding and seamless workflow.
- Optimized in-app link generation to 2 seconds, boosting productivity 50% over other compilers. Designed intuitive UI with native app familiarity that diminished context switching and flattened the learning curve.

EXTRA-CURRICULAR ACTIVITIES

Founding Member & General Secretary, Student Council, CMR College of Engineering & Technology

- Co-led the initiative to set up the college's first student council, shaping the structure and constitution.
- Coordinated activities and oversaw communication between management and student bodies and further mentored inaugural heads of 8 committees, setting the foundations for future council leadership.
- Initiated multiple fund-raisers for various causes, led the organization of college's biggest annual festivals- Azura & Carpe Diem

President, League of Coders, CMR College of Engineering & Technology

- Promoted programming culture through the organization of three intercollegiate hackathons and over 20 programming contests.
- Conducted over 50 sessions on data structures, algorithms, and development for junior students.
- Hosted prominent inter-college events, namely "Code League" with 120 participating teams and "DevJam" with 150 teams, annually.

Member, We the circle initiative (NGO)

- Volunteered with design team for four months, managing the social media posts, garnering a following of over 300 followers.
- Effectively coordinated and executed the event "Being the Voice" on behalf of the NGO, dedicated to raising awareness on topics such as gender orientation and women empowerment.

Participant, Leadership Development Program, Dexterity School of Leadership & Entrepreneurship (06/21 - 06/22)

- Earned selection as one of 60 individuals nationally chosen annually to participate in an intensive leadership training program.

SKILLS

Languages – English (*Proficient*), Hindi (*Proficient*), Telugu (*Proficient*)

Technical Skills – Java, Python, Debugging, Agile Methodologies, Unit Testing, MS Office, Google Docs, Solidity, Ethereum, Hyperledger Besu, Smart Contract Development, Node.js, React.js, MongoDB, DNS Management, FaaS, Deployment, Arduino, Raspberry-Pi, Sensor & Device Integration, Hardware Prototyping

Certifications – IBM AI Engineering Professional Certificate (June 2020) through Coursera

Hyderabad, India