

Mahanyas Baira

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PROFESSIONAL SUMMARY

Dedicated undergraduate Computer Science student aspiring to be a Software Engineer. **Strong knowledge** in **coding** and **system administration**, along with expertise in **Cybersecurity**, and hands-on experience in vulnerability assessments, technical support, and innovative project development.

EDUCATION

Colorado State University, Fort Collins, *Bachelor's in Computer Science*

Anticipated- Dec 2027

DRS International School, Hyderabad, *International Baccalaureate Diploma Program*

August 2022- May 2024

PROFESSIONAL EXPERIENCE

Cybersecurity Internship, *Colorado State University, Fort Collins*

May 2025- Present

- Conducted **25+ vulnerability scans** and compliance checks to strengthen system defenses and ensure data integrity.
- Analyzed and **resolved 30+ security alerts**, delivering actionable reports that accelerated IT response times.
- Developed and refined **10+ automation scripts** to boost the speed and effectiveness of security operations.
- Led 5 university-wide cybersecurity workshops, raising **digital safety awareness** for over **1,000 students** and staff.

IT Support Specialist, *Colorado State University, Fort Collins*

March 2025- Present

- Provided technical support to staff, **troubleshooting and resolving** over 800 hardware and software issues.
- Installed and configured** software on 550+ university computers, ensuring 100% full compatibility and functionality.
- Responded to **IT emergencies**, including data breaches and system failures, achieving a 95% resolution rate.

International Internship Program, *Mentor: Dr. Aleksandar Jevremovic, Harvard University Professor*

June 2023- October 2023

- Conducted AI/ML research, developing and optimizing **3+ neural network models** using Python, TensorFlow, and PyTorch.
- Utilized **HPC clusters** to accelerate AI model training, reducing computational time by 25% through optimized parallel processing.
- Applied data **analysis and visualization techniques**, generating 5+ comprehensive reports to interpret research findings.
- Authored a 15-page research paper detailing **methodologies and results**, contributing to the field of artificial intelligence.

ACADEMIC PROJECTS

GitHub: mahanyasbaira

AI Form Builder Application | Next.js, TypeScript, Drizzle ORM, React, OpenAI API, Stripe

- Implemented user authentication, subscription management, and payment processing with Stripe integration.
- Designed an admin dashboard for managing forms, tracking responses, and overseeing user subscriptions.
- Deployed the application on Vercel, incorporating analytics to monitor usage and performance metrics.

Knights of Legend Text-Based Adventure Game | Java, CSV File Handling, Object-Oriented Programming

- Developed a text-based adventure game, "Knights of Legend," using Java. Implemented key features such as file handling, random encounters, and user interaction based on a provided UML design, ensuring a seamless gaming experience through robust code architecture and extensive testing.

Employee Management System | Java, Kotlin, XML, Laravel, PHP

- Engineered a cross-platform employee management system integrating secure authentication, attendance tracking, and CSV data export, enhancing data management efficiency by 40% through an intuitive UI and robust backend architecture.

TECHNICAL SKILLS

- Programming Languages:** Java, JavaScript, Python, C, SQL
- IT Systems & Support:** Active Directory, PDQ Deploy, Microsoft Entra ID, Power BI
- Databases:** MySQL, PostgreSQL, PhpMyAdmin
- Data Structures & Algorithms:** Proficient in the use and implementation of essential data structures and algorithms.
- Operating Systems:** Linux, Mac OS, Windows, Unix, Ubuntu
- Technologies/Tools:** Git, Nessus, Microsoft Defender, Tenable.sc, Burpsuite Enterprise, SnipeIT

Certifications

- Microsoft Azure AI Essentials Professional Certificate by Microsoft
- Google Cloud Digital Cloud Leader Cert Prep: 3 Innovating with Google Cloud Artificial Intelligence
- Atlassian IT Service Management (ITSM) Professional Certificate

References

- Harvard University** professor, Dr. Aleksandar Jevremovic, PhD. [Letter of Recommendation](#) Email: a.jevremovic@gmail.com
- Cyber Security** Mentor, Bandi Vinay Kumar, Email: bandivinay9@gmail.com