

Bhavya Sri Chennamsetty

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[Linkedin](#) | [Portfolio](#) | [Github](#)

Profile Summary

I am a passionate Computer Science graduate with a strong interest in building real-world applications and solving practical problems through technology. I'm eager to learn, enjoy working in a team, and pay close attention to detail, always aiming for quality and precision in everything I do. I thrive in dynamic environments and am passionate about continuous growth in both technical and collaborative skills.

Skills

- **Programming Languages & Scripting:** Python, C, C++, Kotlin, Bash, HTML, CSS, JavaScript, Java
- **Web & App Development:** React.js, Node.js, .NET, Angular, OpenCV
- **Cloud & DevOps Tools:** AWS, GCP, Docker, Kubernetes, Jenkins, Git, GitHub
- **Databases & Other Technologies:** MongoDB, MySQL, SQL, Splunk, Wireshark, VS Code, MATLAB
- **Core Computer Science:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Operating Systems, Computer Networks.
- **Operating Systems:** Windows, macOS, Linux/Unix
- **Languages:** English (Proficient)

Projects

COVID-19 Spread Simulation – Python Data Analysis

- Simulated the spread of COVID-19 using Markov Chains to model infection patterns across regions.
- Analyzed and visualized data trends using Python libraries such as Pandas and Matplotlib for insightful reporting.

Campus Connect App – Kotlin Mobile Application

- Developed a mobile application using Kotlin to provide real-time updates on campus events, navigation, and student services.
- Integrated clean UI design and location-based features to enhance user experience for university students, enabling intuitive navigation and easy access to campus resources.

Cloud-based Web Server Hosting

- Enhanced web server scalability and performance using AWS EC2, Load Balancer, and Auto Scaling to ensure high availability and efficient resource management.
- Implemented system monitoring, optimization, and documentation for efficient cloud infrastructure management.

Interactive Narrative Game System

- Designed and implemented a modular, object-oriented adventure game using GRASP principles, enabling players to interact with scenes, objects, and characters via a smart in-game assistant.
- Built core features like inventory management, event handling, and scene navigation with clean separation of concerns across multiple packages.

Experience

Freelance Developer – AI & Web Projects | Remote | May 2024 – Present

- Developed a ReactJS and Firebase-based website with over 450+ DSA questions, video content, bookmarking, note-taking, and progress tracking to support learners in improving coding skills.
- Created a gesture-controlled virtual mouse using Python and OpenCV, demonstrating practical AI and computer vision integration.

AI & ML Internship | Lomaa IT | May 2023 – June 2023

- Built and evaluated machine learning models using Python, applying core concepts in AI, statistics, and deep learning.
- Worked with real-time datasets using NumPy and Pandas for preprocessing and model training.

Cybersecurity Trainee (Coursera) | Google | Jan 2025 – Mar 2025

- Gained hands-on experience with Python, Linux, SQL, and cybersecurity tools focused on threat detection and automation.
- Developed secure coding practices aligned with cloud-native and AI-driven development environments.

Research Work

Evaluating the Impact of Serverless Computing (Thesis) | BTH, Sweden

- Conducted an in-depth study on serverless computing's architectural benefits in modern web development.
- Created a structured decision-making framework using Lucidchart to support developers in technology adoption.

Crop Price Prediction using Machine Learning | BTH, Sweden

- Applied Linear and Support Vector Regression in Python to analyze agricultural pricing data from Kaggle.
- Delivered predictive insights to assist stakeholders in making data-informed farming and market decisions.

Education

- Bachelor's in Computer Science | Blekinge Institute of Technology, Sweden | 2023 - 2024
- Bachelor's in Computer Science | SPMVV, India | 2020 - 2023

Soft Skills

- Strong problem-solving, adaptability, and eagerness to learn
- Effective communication and teamwork
- Excellent time management

Interests

- Badminton
- Swimming
- Yoga

Certifications

- Cyber Security - Google(Coursera)
- AI/ML Internship - LOMMA IT