

BHUVANESHWARAN K

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Education

Chennai Institute of technology, B.E CSE(Artificial Intelligence and Machine Learning)

Nov 2022 – May 2026

• CGPA: 8.6/10

Professional Experience

Google Vitrual Intern (EduSKills), AIML - Virtual

July 2024 - Sep 2024

- Successfully completed the Google AI/ML Virtual Internship, earning 14 badges and gaining practical ML expertise.
- Gained experience in CNNs, object detection, and image classification using TensorFlow and advanced techniques.
- Built and optimized 5+ ML models for computer vision applications using TensorFlow and ML Kit effectively.

FullStack Developer Intern, AnaadiAI -Virtual, IN

May 2024 – July 2024

- Contributed to the Thirukural translation web app, adding multi-language support and Google TTS API integration.
- Enhanced accessibility for 5+ languages, significantly increasing user engagement by 40% through audio features 20 %.
- Optimized database integration processes, reducing load times by 30% and improving workflow efficiency by 50%.

Backend Developer-Intern, Techmedzz Research Labs – Chennai, IN

Aug 2023 – Oct 2023

- Contributed to backend development at TechMedZ, collaborating on scalable architectures using Django and DRF.
- Improved development speed by 25% through efficient backend architecture and close team collaboration%.
- Enhanced system performance by 20% while optimizing queries, troubleshooting, and improving infrastructure..

Projects

Reservoir Management System, Full Stack, ML

github.com/Bhuvanesh24/WaterRes

- Developed a water management dashboard using React, Django, and FastAPI to predict water demand and reservoir storage.
- Integrated LSTM-based predictive models, leveraging historical and environmental data to enhance forecasting accuracy.
- This project was successfully built for the Smart India Hackathon 2024, where it was evaluated by the Ministry of Jal Shakti.

TripTrack Management, Full Stack

github.com/Bhuvanesh24/TravelDash

- Built a MERN Stack dashboard to oversee 50+ daily rides, enhancing fleet management and customer experience .
- Developed an efficient admin panel for ride assignments, trip tracking, invoice generation, and financial monitoring.
- Successfully implemented automated invoice emails, cutting manual work by 70% and optimizing the billing workflow.

DevRepo Organizer, Full Stack

github.com/Bhuvanesh24/GitAssi

- Built a cross-platform desktop app using React and Electron.js, enabling efficient organization of folders and Git repos.
- Integrated Django REST API for backend support, improving data handling and providing seamless API interactions.
- Utilized SQLite for data storage, adding features like search, tagging, and Git operations, increasing productivity by 30%.

Skills

Languages: C++, Python, C, Java, JavaScript, SQL

Technologies: : React.js, Django, Node.js, Electron.js, Express JS, Tailwind, Pandas, Scikit-learn, Keras, Spacy, Matplotlib

Developer Tools: Linux, Git, AWS, Docker, Github, Figma, Postman

Certificates

AWS Cloud Practitioner | Ethical Hacking (NPTEL) | Machine Learning - Specialization(Coursera)

Cisco CCNA Networking Essentials (CCNA) | Cisco Cybersecurity Introduction (CCNA) | CISCO - CyberOps

Competitive Programming

LeetCode: Max rating 1797, Top 10%, Solved 700+ Problems, Achieved highest rank 1188 in Weekly Contest 438.

CodeChef: Max rating 1570, 2 stars, Solved 250+ Problems, Achieved highest rank 472 in CodeChef Starters 153-rated contest

CodeForces: Max rating 969, Solved 100+ Problems, Achieved highest rank 6677 in CodeForces 993 (Div 3) contest

Achievements

Finalist, Smart India Hackathon 2024 –Achieved a Top 5 rank among 500+ submissions for an innovative reservoir system.

Finalist, Vultr Hackathon 2024 –Built a water usage forecasting ML model, ranking Top 10 among 10,000+ teams.

Semi Finalist, Adobe Hackathon 2024 - Created a shape recognition solution, surpassing 50+ teams to secure a top spot.

Volunteering

- **Web Development:** Led the Development team for Magnus Symposium, a national event with 1000+ participants.
- **ML Workshop Instructor – Magnus:** Conducted a session on foundational ML concepts, engaging 50+ attendees.