BHARAT KUMAR MISHRA

Kanpur, India

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EDUCATION

SRM Institute of Science and Technology **2022 – 2026**
*B.Tech - Computer Science and Engineering - **CGPA - 9.71*** *Chennai, Tamil Nadu*

DR. Virendra Swarup Education Centre **2020**
*Class 10th - **Percentage - 85.8%*** *Kanpur,India*

DR. Virendra Swarup Education Centre **2022**
*Class 12th - **Percentage - 80.8%*** *Kanpur,India*

EXPERIENCE

Intern at Samsung PRISM **July 2024 - Present**
Role - Machine Learning Intern *Remote / College-based*

- Developed an AI model for noise segmentation and selective denoising using **PyTorch**.
- Implemented **FCNs** based on ResNet50 and achieved accuracy above 90%.
- Created synthetic noisy datasets and visualized results using heatmaps.
- Optimized model performance with metrics like Intersection over Union (IoU).

Intern at Quamin Tech Solutions LLP ⬈ **July 2024 - January 2025**
Role - Team Lead (Web Development, Machine Learning, and Cybersecurity Team) *Remote*

- Developed full-stack websites and implemented various **machine learning models**.
- Integrated APIs and deployed models to ensure seamless functionality.
- Gained hands-on experience in backend development and cybersecurity.
- Led the team to deploy functional and scalable applications.
- Utilized Microsoft Azure to optimize cloud performance.

PROJECTS

E Commerce Application ⬈ | MERN STACK (FULL STACK PROJECT) **2022-2023**

- Developed a full-featured e-commerce platform using the MERN stack with role-based access and product management.
- Built the front-end with React and the back-end using Node.js, Express, and MongoDB.
- Implemented a shopping cart, secure checkout, payment integration, and order tracking.

Doctor Appointment Booking App ⬈ | MERN STACK (FULL STACK PROJECT) **2023-2024**

- Developed a user-friendly website enabling seamless appointment booking with healthcare professionals.
- Implemented robust account management features, including creation, customization, and maintenance of user profiles.

Potato Leaf Disease Detection Model ⬈ | Python, TensorFlow, React.js **2024**

- Built a TensorFlow model to detect diseases in potato leaves with high accuracy.
- Developed a complete system with frontend and backend to upload images, detect diseases, and generate detailed summary reports using OpenAI API.

TECHNICAL SKILLS

Languages: C++, C, Java, SQL, Express, Python, C#, GOLANG
Technologies/Frameworks: HTML, CSS, Django, MongoDB, Express, React, NodeJS (MERN), Bootstrap, Spring, Angular, Tailwind CSS
Cloud Platforms: AWS, Azure, Firebase
Coursework: Object-Oriented Programming, Database Management System, Operating Systems, Data Structures Algorithms

SOFT SKILLS

Soft Skills: Innovation, Fast Learning, Cross-functional Collaboration, Adaptability, Communication

Achievements

- Achieved an all-over world rank of 14 in the TCS CodeVita contest, the world's biggest coding competition.
- Achieved first place in the Red Bull Basement Hackathon organized by the Cherry Networks Club.
- Secured second place in the SRM Hackathon 8.0, organized by a club at our college.

CERTIFICATIONS

- AWS Academy Machine Learning Foundations Course - Amazon Web Services (AWS) ⬈
- Oracle Cloud Infrastructure Certified Foundations Associate ⬈
- Programming In Java - NPTEL ⬈