Bhanu Pratap Singh

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EDUCATION

Degree/Certificate	Institute	Board	CGPA/Percentage	Year
B.Tech. Biotechnology	MNNIT Allahabad	Central	7.61 (till 6th sem)	2021-Present
B.S.(Data Science and its Application)	IIT Madras	Central	6.66 (till 1st term Diploma)	2023-Present
Senior Secondary	R S Convent Hr Sec School	State	90.6%	2021
Secondary	R S Convent Hr Sec School	State	92.6%	2019

EXPERIENCE

- **CashCry** *May 2024 - May. 2024*
  AI Data Scientist Intern Prayagraj
  – Use Python, SQL, machine learning models
  – Generate data-driven insights for marketing strategies and product improvements
  – Analyze large datasets to predict customer behavior, optimize cashback offers, and enhance engagement.

- **Davars Tropilite Foods Pvt. Ltd.** *May 2022 - May. 2022*
  Research and Development Intern Gwalior
  – Conducted basic biotech instrumentation experiments, contributing to R & D efforts.
  – Worked with 5S protocols in a laboratory environment, gaining hands-on experience in biotech instrumentation.

PROJECTS

- **MNNIT Chatbot (Machine Learning) Based Project** *Dec. 2022 - Feb. 2023*
  Robotics Club MNNIT Github
  – Developed a AI chatbot capable of answering questions related to MNNIT as well as general queries.
  – Leveraged OpenAI (LLM Model) API key to emulate ChatGPT functionality, enhancing user engagement.
  – Boosted user interaction, increasing daily active users by 25 percent
  – Implemented RASA, NLP (NLTK), and Python for seamless user experience optimization, ensuring superior functionality.
  – Deployed the chatbot on WhatsApp and Telegram using Ngrok server for seamless integration.

- **Resume Analyser** *May. 2024 - Jun. 2024*
  MNNIT
  – Developed an AI-powered tool to calculate ATS scores, streamlining recruitment.
  – Designed NLP pipelines using TF-IDF and rule-based extraction to identify skills, education, and experience.
  – Built Random Forest models, achieving 98 accuracy in resume-job classification
  – Reduced screening time by 70 Percent, boosting recruiter efficiency

- **Protein Analyser** *Feb. 2024 - Apr. 2024*
  Mentor Miss. kavita Patel Github
  – Applied ML techniques to predict next protein sequence, utilizing Python libraries like TensorFlow and Scikit-learn.
  – Implemented anomaly detection systems using one class algorithm, achieving advanced detection capabilities.
  – Improved model accuracy with 98 percent using the Random Forest algorithm.

SKILLS

- **Programming**: Python, C++,SQL
- **Area of Interest**: Machine Learning,LLM,Deep Learning,OOPS,DSA,DBMS,NLP, Model Deployment,Arima
- **Tools/Frameworks**: Rasa, OpenCV, Django
- **Developer Tools**: Keras,Jupyter Notebook,Docker,Git
- **Database**: MySQL
- **Non Technical**: Collaboration, Curiosity, Writing, Leadership, Problem Solving Ability

POSITIONS OF RESPONSIBILITY

- **Coordinator and Outreach/PR head**,Robotics Club, MNNIT Allahabad *Nov. 2023 - Present*
- **Event and Placement Coordinator**,MAA, MNNIT Allahabad *Feb. 2023 - Present*
- **Student Mentor and Resource Hub Reprentative**,SMP, MNNIT Allahabad *Jan. 2023 - Present*
- **International Yoga Day**,Yoga Club, MNNIT Allahabad *May. 2024 - Jun 2024*
- **PR, Marketing and Core team Member** ,Culrav - Avishkar, MNNIT Allahabad *Feb. 2024 - Apr. 2024*
- **Event Management** ,GAC, MNNIT Allahabad *Aug. 2023 - Nov. 2023*

ACHIEVEMENTS

- **Hack AI 2K23, IIT Bombay:**, Led a team to the final round, engineering an innovative Hackathon based on ML solution.
- **Aerodynamics Competition, Avishkar 2K22:**, Runner-up in the competition by the Aero Club of MNNIT.