ASHWANI ANAND

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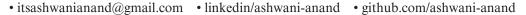
SUMMARY

Aspiring software engineer specializing in AI and machine learning, with a passion for learning and growth. Strong problem-solving, communication, and teamwork skills, focused on delivering impactful solutions and contributing to innovative projects.

EDUCATION

Bachelor of Engineering in Artificial Intelligence and Machine Learning   *2021 - 2025*

BNM Institute of Technology, Bengaluru
CGPA: 8.66

Higher Secondary Education   *2020*

Hill Top School (ICSE), Jamshedpur
Percentage: 76.25%

Secondary School Education   *2018*

Hill Top School (ICSE), Jamshedpur
Percentage: 90.6%

WORK EXPERIENCE

Emproto Technologies Private Limited   *Oct 2023 - Nov 2023*
Machine Learning Intern | Linux, Python, Data Analysis, Machine Learning   *Bengaluru*

- Developed foundational skills in **Linux command-line** operations for file management and permissions, alongside enhancing algorithmic problem-solving through **dynamic programming** in Python with the "Coin Change" problem.
- Conducted **regression analysis** on a medical insurance dataset, including data preprocessing, visualization, feature selection, **model training**, and evaluation.

CleverBharat Private Limited   *Oct 2024 - Present*
Algorithmic Trading Strategy Development Intern | C++, Python, Market Analysis

- Assisted in developing and implementing **algorithmic trading strategies**, including sentiment analysis using X data.
- Conducted research to **optimize trading algorithms**, monitor market trends, and collaborate on system enhancements.

PROJECTS

DrowsyDefender | *Python, OpenCV, YOLO, dlib*

- Used OpenCV and dlib to develop a **real-time driver fatigue monitoring system**, enhancing road safety by detecting drowsiness.
- Utilized NumPy and SciPy for efficient image processing, improving the accuracy of drowsiness detection through **facial landmark analysis**.
- Implemented **YOLO** for **object detection**, ensuring timely alerts to drivers when signs of fatigue are detected.

QuantTrader | *Python, Pandas, Backtrader, Matplotlib*

- Developed an **algorithmic trading system** using Python and Backtrader, optimizing trading strategies for **improved investment performance**.
- Conducted **market trend analysis** using Pandas and NumPy, delivering **enhanced trading returns** through data-driven decisions.
- Created **performance visualization dashboards** with Matplotlib for strategic evaluation and risk management.

ThrillQuest | *MERN Stack*

- Developed a **dynamic trip planning website** with React.js, achieving **enhanced user engagement** through personalized itineraries.
- Built **robust backend infrastructure** using Node.js/Express.js for efficient server-side operations and data handling.
- Implemented **scalable database system** with MongoDB and optimized frontend for **seamless cross-device performance**.

SKILLS

- **Languages:** Java, Python, SQL
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib
- **Tools:** Blender, VS Code, Git
- **Platforms:** MySQL, MongoDB, Unix/Linux, Windows, GitHub
- **Soft Skills:** Communication, Positive Attitude, Teamwork, Problem-Solving, Adaptability

EXTRA-CURRICULAR ACTIVITIES

- Director, BNMIT Model United Nations (MUN): Led initiatives and organized events for new members.
- First Prize, 'Shoot Your Webs' Web Development Hackathon: Recognized for innovative web solutions.
- First Prize, Annual Skit and Monologue Competitions, Kalabhageerathi: Awarded for outstanding cultural performance.
- Anchoring Team Member, College Day 2023: Planned and hosted the event successfully.
- Member, National Service Scheme (NSS): Engaged in community service and outreach.