P Subanaveen

GitHub | Linkedin | subanaveenp@srmap.edu.in. | +91 9521702807

SUMMARY

Results-driven Software Designer with expertise in AI and machine learning, specializing in scalable, high-performance model design and deployment. Proficient in full stack development, adept at enhancing system efficiency through innovative solutions. Self-Motivated and Eager to drive technological innovation and programming contribute to groundbreaking projects.

EDUCATION

2021 - present	**B.Tech Computer Science Engineering** at SRM University AP	(CGPA: 8.59)
2019 - 2021	**Class 12th** Army Public School, Bikaner	(Percentage: 83)
2018 - 2019	**Class 10th** Army Public School, Bikaner	(Percentage: 81.3)

WORK EXPERIENCE

Data Science Intern - Insignia Consultancy   May 2024 - Present

- Streamlined data preprocessing, feature engineering, and selection.
- Developed custom algorithms and ensured data integrity.
- Collaborated to deliver actionable insights, enhancing predictive accuracy and improving workflows.
- Boosted client satisfaction through improved data-driven solutions.

Salesforce Developer - Salesforce   May 2024 - June 2024

- Earned the prestigious Salesforce Developer Super Set credential by completing challenging tasks.
- Demonstrated adeptness in Apex development.
- Leveraged Salesforce platform capabilities to solve complex business challenges.
- Drove innovation during a virtual internship.

Research Intern - SRM University   Oct 2023 - Present

- Led groundbreaking machine learning research, resulting in published work and conference presentations.
- Optimized algorithms for improved performance.
- Authored research papers to foster knowledge sharing.
- Contributed to impactful outcomes in the field of machine learning.

SKILLS

Technical Skills	C++, C, Python, Java, MySQL, Machine Learning, MS Office, Data Visualization, MongoDB, HTML, CSS, JavaScript, React.js, Computer Design and Architecture, Design Analysis, Software development lifecycle, Agile Methodologies
Other Skills	Time Management, Problem solving, Leadership, Critical Thinking, Communication Skills, Emotional Intelligence, Collaboration Skills

PROJECTS

Early Detection of Parkinson's Disease (Machine Learning)
- Developed an XGBoost model with 97% accuracy for predicting Parkinson's disease using voice attributes.
- Significantly improved early intervention and patient outcomes.

Classification of Microplastics Using Machine Learning Algorithms and SERS
- Developed a high-precision Random Forest Classifier with Surface-Enhanced Raman Spectroscopy (SERS).
- Achieved 91% accuracy in classifying harmful microplastics.
- Contributed to environmental preservation efforts.

Speech Emotion Recognition System (ML)
- Designed and implemented an LSTM recurrent neural network with 92% accuracy in predicting speaker emotions.
- Developed a user-friendly Python-based GUI for intuitive interaction.
- Optimized model performance and usability.

E-Ticketing System (Full-stack Development)
- Built a comprehensive airline booking application using React.js, Node.js, and MongoDB.
- Enhanced booking efficiency and user experience under high traffic conditions.

Vigenère Cipher Encoders and Decoders (Software Development)
- Developed a secure Python GUI application using the Vigenère cipher for encoding and decoding messages.
- Ensured robust communication security with integrated RESTful API principles.

Path Planning Model: Adaptive Path Planning Model from A* Algorithm (AI)
- Implemented the A* algorithm for efficient path planning.
- Optimized route navigation in various applications.

ACHIEVEMENTS

- **Accenture: Strategy Consulting Virtual Experience Certificate**
- **ServiceNow: Micro Certification**
- **Udemy: The Complete 2024 Web Development Bootcamp Certification**
- **Research Day 2023: 1st Runner-Up**
- **Salesforce Developer Super Badges**