Jessica James Fernandes

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https://github.com/Jessferns3010

EDUCATION

St Joseph Engineering College — Mangaluru
Bachelors in Engineering Computer Science — 2020 – 2023
Percentage: 88.6%

M.E.S PU College — Sirsi
Pre-University PCMB — 2018 – 2020
Percentage: 95%

Don Bosco High School — Sirsi
10th Std — 2017 – 2018
Percentage: 93.6%

EXPERIENCE AND TRAINING

Varcons Technologies PVT LTD
Student Intern — April 2023 - May 2023

- Redesigned WeSaveAnimal NGO's website with a modern and intuitive design, enhancing user experience.
- Developed responsive web pages using HTML, CSS, and JavaScript, optimizing performance and accessibility.

Team PlanetXS — Mangaluru
Member of Science Department — Aug 2021 - Present

- Study and Design of components in a Mars Rover to explore particular regions on Mars
- Participated in International Rover Design Challenge 2023

Team Terror Bulls Robotics — Mangaluru
Member of Autonomous Bot Dept. — Feb 2022 - Feb 2023

- Worked on the Design and Fabrication of Autonomous line followers
- Maintaining the team website to effectively promote the team's activities and achievements.

SKILLS

Programming Languages:	C, C++, Java, Python
Operating System:	Windows, Linux
Web Development:	HTML, CSS, PHP, JavaScript, MySQL, React js
Others:	Arduino, Excel, Powerpoint, Canva, Android Studio, Anypoint Studio, GIT, IoT
Interpersonal Skills:	Communication, Problem Solving, Leadership, Quick Learner, Presentation, Teamwork

PROJECTS

FARM MANAGEMENT SYSTEM *HTML, CSS, MySQL, XAMP, PHP*
Developed user-friendly software where farmers can keep up-to-date information about the crops grown, employers working on the farm, and consumers who often buy crops.

MIND MATE *Astro, Express.js, Javascript* — https://mindmatesite.vercel.app/
Developed student friendly software, where one can find all the latest trending news concerning AI and Crypto, find solution or description of the stress they are facing, and even see the resources regarding trending topics like AIML, Block chain on a single page.

SPACE INVADERS *C, OpenGL Libraries*
Developed a challenging space shooter game that provides an immersive gaming experience, allowing players to test their reflexes, accuracy, and strategic thinking.

COMBAT BOTS AND ARDUINO PROJECTS — https://www.tbrobotics.org/
Effectively managed team website, optimizing content and layout to promote team activities and achievements. Contributed to the design and fabrication of autonomous Line and autonomous robots, supporting cutting-edge advancements in robotics.

WOMEN SAFETY APP *Android Studio, Java*
Developed a user-friendly mobile application aimed at empowering women and ensuring their safety in emergency situations through distress signal triggering and location sharing.

COURSES AND CERTIFICATIONS

AnyPoint Platform Development - Fundamentals   Mulesoft
Certified in Anypoint Platform Development - Fundamentals from MuleSoft, proficient in designing and developing integration solutions using Anypoint Studio. Skilled in building APIs, integrations, and applications while adhering to best practices for scalability and robustness.

Data Analysis with Python   IBM - Coursera
Certified in Data Analysis with Python (IBM Coursera), proficient in Python-based data analysis using Pandas, NumPy, and Matplotlib. Skilled in data wrangling, exploratory analysis, and visualization.

Understanding Data Science   DataCamp
Certified in Understanding Data Science (DataCamp), proficient in data manipulation, visualization, statistical analysis, and machine learning using Python, R, and SQL.

JAVA for Problem Solving   Duke University-Coursera
Certified in JAVA for Problem Solving (Duke University-Coursera), proficient in Java programming for complex problem-solving. Skilled in implementing data structures, algorithms, and object-oriented programming principles.

Software Development Processes and Methodologies   University of Minnesota-Coursera
Certified in Software Development Processes and Methodologies (University of Minnesota-Coursera), proficient in Agile, Scrum, and Waterfall methodologies. Skilled in requirements gathering, coding, testing, and deployment.

Introduction to AI, Deep Learning, Computer Vision, NLP   Infosys Springboard
Certified in Introduction to AI, Deep Learning, Computer Vision, NLP (Infosys Springboard). Proficient in machine learning, deep learning, computer vision, and NLP. Skilled in implementing neural networks, utilizing TensorFlow and Keras, and applying computer vision techniques.

Introduction to Matlab   Mathworks
Certified in Introduction to MATLAB (MathWorks), proficient in MATLAB programming for data analysis, visualization, and mathematical modeling.

Networking Essentials   Cisco Networking Academy
Certified in Networking Essentials (Cisco Networking Academy), proficient in networking principles, IP addressing, routing, switching. Skilled in configuring network devices, designing network topologies, and troubleshooting.

Big Data, Artificial Intelligence, and Ethics   UC Davis-Coursera
Certified in Big Data, Artificial Intelligence, and Ethics (UC Davis-Coursera), proficient in addressing ethical considerations in big data and AI. Skilled in evaluating data ethics, ensuring fairness and unbiased decision-making. Knowledgeable in privacy regulations and responsible data practices.