Hi, my name is JayVinay and here is the biodata of mine
Professional Summary

Multidisciplinary coder and designer with more than two years of experience and a strong passion for creating user-centric solutions. My expertise lies in designing and developing seamless user experiences, and I actively contribute to projects related to web and mobile applications, using the latest Libraries and Frameworks, through machine learning research. This combined skillset allows me to bridge the gap between technology, software, and design.

Portfolio link: www.jayvinay.in
LinkedIn link : www.linkedin.com/in/jay-vinay

Email id : namgirijayvinay@gmail.com

Education

SRM University - Bachelor of Technology - Computer Science Engineering with GPA: 9.11
Courses I did in my bachelors : Python, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Object Oriented Programming, Graph Theory

Intermediate studies at Sarada Junior College (2016-2018) with strong scores in Mathematics, Physics, and Chemistry.

Skills I have are

Languages I know are Python, Java, JavaScript, SQL, Bash, TypeScript
Frameworks I use are Scikit, Angular, NodeJS, Springboot, TensorFlow, Keras, Django, NestJs, Flask, Express, Pytorch, GSAP

Tools I use are : Docker, GIT, PostgreSQL, MySQL, Kubernetes, SQLite, MongoDB, Figma, GraphQL, Jira AWS, Platforms I use are : Azure, GCP, IBM Cloud,Linux, Web, Windows, Raspberry, Android

Apart from this, I also have curiosity to learn any kind of language or platform or framework so I'm open to be flexible in any kind of things that are not listed here

Currently a Researcher and Senior Software Engineer at Samsung Research and Development, involved in Android UI development, machine learning research, and project contributions.

Publications and Research I did

- Published Chapter: Introduction to Unsupervised Learning in Bioinformatics, in the book named Data Analytics in Bioinformatics: A Machine Learning Perspective ,got

accepted by [Wiley Publications](#)
- Published research paper titled Reconstructing Noised Images of Fashion-MNIST Dataset Using Auto encoders in [IEEE](#), highlighting contributions to image processing and machine learning by demonstrating the effectiveness of autoencoders in restoring clarity to corrupted images
- Published research paper on Mudras and Yoga Positions Detection and Recognition utilising YOLOv7 and Faster R-CNN, advancing the field of computer vision by enabling accurate detection and recognition of yoga poses and hand gestures at [IEEE](#) 2023 7th International Conference

Certifications

- Microsoft Azure AZ-90
- Microsoft Azure AI-90
- Udemy Android Certification
- Udemy AWS Certified Cloud Practitioner
- Tensorflow 2 lite and Keras Deep Learning in Android
- Udemy Software Architecture
- Oracle Certification
- Architecting with Google Compute Engine
- Machine Learning (Stanford University)
- Neural Networks and Deep Learning
- Neural Network from Scratch in TensorFlow

Experience

- **Samsung Research and Development** (Researcher and Senior Software Engineer) (2022 - Present)
  - Designed and developed Android UIs for various apps, ensuring a seamless user experience
  - Researched machine learning to improve smartphone security, implementing advancements to directly protect users
  - Contributed to diverse projects, including Passkey Sharing research, Knox Dashboard development, Application User Interface design and implementation, and network API integration
  - Demonstrated strong system understanding by analyzing Samsung On-Device Blockchain synchronization operations
  - Explored background app vulnerabilities and beaviour anomaly and messages chat production service using Generative AI
- **Accolite Software** (Frontend UI Developer - Internship) (Jan 2022 - June 2022)
  - Developed a user-friendly and interactive Oracle Dashboard utilizing Angular to provide clear data visualization and enhance user experience for business intelligence purposes
  - Collaborated with backend engineers and business analysts to ensure seamless integration of the dashboard with existing systems and meet client requirements

Projects

- **Machine Learning Algorithms Visualization Tool Platform**
  - Developed a web interface to visualize famous Machine Learning Algorithms, besides explaining the importance of hyper-parameter tuning using Scikit-learn, Plotly, HTML, CSS, JavaScript
  - [Landing page](#)
- **Inventory Management System**
  - Interface built to manage all inventory managements, which work as a stand-alone GUI tool having features like exporting the data into Excel and available in different themes using PyQt
  - [Landing page](#)
  -

Jays Other projects in his University

Technical skills: Python, C++, HTML, CSS, SQL, Git, Linux, Data Structures, Machine Learning Soft skills: Critical Thinking, Effective Communication, Problem Solving PROJECTS Machine learning Algorithms Visualization Tool Platform ● Developed a web interface to visualize the famous Machine Learning Algorithms, besides explains the importance of hyperparameter tuning ● A Playground which is designed for Interactive Visualisations that enables users to directly manipulate and explore graphical representations of data, effectively understanding the significance of data and gets a minimal understanding of working with Machine Learning models ● This is an end to end project built and deployed on the Heroku platform Technologies Used: Python, Scikit-Learn, Plotly, HTML, CSS, JAVASCRIPT Sudoku Solver Application ● Graphical User Interface tool which solves the Sudoku puzzle in Windows operating system, which is available in the executable format in landing page enabling the user to quickly download and use it at an ease by installing it in their system Technologies Used: Python, Tkinter, PyInstaller Inventory Management System ● Interface built to manage all the inventory managements which work as stand-alone GUI tool having features like exporting the Data into Excel and available in different themes, available at landing page Technologies Used: PyQt, PyQt Designer, Sqlite Smart Mirror ● Built a smart mirror with Raspberry Pi and integrated many modules like Spotify Music Sync, News Headline bar, Push notifications, and users Personal calendar

assignments deadline widget for important notifications. Understood the API functionality and it's working. Also developed interests in embedded systems and Hardware working

Jays work durinng his college days
Completed Google facilitator program Learned and Completed many modules in Qwiklabs Published Chapter which got selected to Wiley Publications Introduction to Unsupervised Learning in Bioinformatics • Chapter for the Data Analytics in Bioinformatics: A Machine Learning Perspective, got accepted by Wiley Publication Content Writing on Data Structures and Algorithms worked as a technical writer intern in Data structures, Algorithms, and System design.

Jays Achievements
ACHIEVEMENTS: • Jay received Samsung Excellence award for year 2024 for his immense contributions to Samsung company• Received Best Outgoing Student 2015-2016 in my School • Selected for the finals of Bal Shree Award 2012 under Creative Art category

Jays HOBBIES AND INTEREST: Writing Articles, Event Management, Sketching, Reading Books, Solving puzzles,Sudoku,Coding

Jay went to Nirmla high school in Vijayawada and in his 10th class he scored 9.3 GPA Jays home town in Vijayawada but he is currently living in Benguluru
Jays birthday is 23 may 2000

Jays old portfolio when he is an undergraduate https://jayvinayportfolio.netlify.app/

Jays Capstone Project is machine learning algorithm visualiser https://jayvinayportfolio.netlify.app/html/pages/ml%20projrct.html

Q: What is your name?
A: My name is JayGPT, here to assist you about Jay. You can ask me anything about Jay

professionally.

Q: Can you provide a professional summary of Jay?
A: Jay Vinay Namgiri is a multidisciplinary coder and designer with over two years of experience, specializing in creating user-centric solutions for web and mobile applications using the latest libraries and frameworks, combined with machine learning research. His expertise bridges the gap between technology, software, and design.

Q: Where did Jay complete his education?
A: Jay completed his Bachelor of Technology in Computer Science Engineering from SRM University with a GPA of 9.11. He also completed his intermediate studies at Sarada Junior College with strong scores in Mathematics, Physics, and Chemistry.

Q: What are Jay's key skills?
A: Jay's key skills include programming languages such as Python, Java, JavaScript, SQL, Bash, and TypeScript; frameworks like Scikit, Angular, NodeJS, Springboot, TensorFlow, Keras, Django, NestJs, Flask, Express, Pytorch, and GSAP; and tools such as Docker, GIT, PostgreSQL, MySQL, Kubernetes, SQLite, MongoDB, Figma, GraphQL, Jira, and AWS. He is also proficient with platforms including Azure, GCP, IBM Cloud, Linux, Web, Windows, Raspberry, and Android.

Q: What professional certifications does Jay hold?
A: Jay holds several professional certifications including Microsoft Azure AZ-90, Microsoft Azure AI-90, Udemy Android Certification, Udemy AWS Certified Cloud Practitioner, TensorFlow 2 lite and Keras Deep Learning in Android, Udemy Software Architecture, Oracle Certification, Architecting with Google Compute Engine, Machine Learning (Stanford University), Neural Networks and Deep Learning, and Neural Network from Scratch in TensorFlow.

Q: What experience does Jay have at Samsung Research and Development?
A: At Samsung Research and Development, Jay is a Researcher and Senior Software Engineer involved in Android UI development, machine learning research, and various projects including Passkey Sharing research, Knox Dashboard development, Application User Interface design and implementation, network API integration, and analyzing Samsung On-Device Blockchain synchronization operations. He has also explored background app vulnerabilities and behavior anomaly and messages chat production service using Generative AI.

Q: What are some of Jay's notable publications?
A: Jay has published several notable works, including a chapter titled 'Introduction to Unsupervised Learning in Bioinformatics' in the book 'Data Analytics in Bioinformatics: A Machine Learning Perspective,' accepted by Wiley Publications, and research papers titled 'Reconstructing Noised Images of Fashion-MNIST Dataset Using Autoencoders' and 'Mudras and Yoga Positions Detection and Recognition Utilizing YOLOv7 and Faster R-CNN,' both published in IEEE conferences.

Q: What are Jay's hobbies and interests?
A: Jay's hobbies and interests include writing articles, event management, sketching, reading books, solving puzzles, Sudoku, and coding.

Q: Where is Jay currently living?

A: Jay is currently living in Bengaluru, although his hometown is Vijayawada.

Q: What is Jay's full name?
A: Jay's full name is Jaya Vinay Namgiri.

Q: What courses did Jay study in his bachelor's degree?
A: During his bachelor's degree, Jay studied courses such as Python, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Object Oriented Programming, and Graph Theory.

Q: What was Jay's role at Accolite Software?
A: Jay worked as a Frontend UI Developer intern at Accolite Software from January 2022 to June 2022, where he developed a user-friendly and interactive Oracle Dashboard utilizing Angular, collaborated with backend engineers and business analysts, and ensured seamless integration of the dashboard with existing systems.

Q: What projects has Jay worked on?
A: Jay has worked on several projects, including a Machine Learning Algorithms Visualization Tool Platform, an Inventory Management System, a Smart Mirror project, a Sudoku Solver Application, and various other projects during his university days.

Q: What is Jay's Machine Learning Algorithms Visualization Tool Platform?
A: Jay's Machine Learning Algorithms Visualization Tool Platform is a web interface developed to visualize famous Machine Learning Algorithms, explaining the importance of hyper-parameter tuning using Scikit-learn, Plotly, HTML, CSS, and JavaScript. It is designed for interactive visualizations that enable users to directly manipulate and explore graphical representations of data.

Q: What is Jay's Inventory Management System?
A: Jay's Inventory Management System is an interface built to manage all inventory managements, working as a stand-alone GUI tool with features like exporting the data into Excel and available in different themes using PyQt.

Q: What is Jay's Smart Mirror project?
A: Jay's Smart Mirror project involves building a smart mirror with Raspberry Pi and integrating modules like Spotify Music Sync, News Headline bar, Push notifications, and users' Personal calendar.

Q: What achievements does Jay have?
A: Jay has received several achievements, including the Samsung Excellence award for 2024, the Best Outgoing Student award for 2015-2016 in his school, and selection for the finals of the Bal Shree Award 2012 under the Creative Art category.

Q: What is Jay's birthday?
A: Jay's birthday is May 23, 2000.

Q: What languages does Jay speak?
A: Jay can speak in multiple languages like English, Hindi, Telugu and a bit of French.

Q: What is Jay's email address?
A: Jay's email address is namgirijayvinay@gmail.com.

Q: What is Jay's LinkedIn profile?
A: Jay's LinkedIn profile can be found at www.linkedin.com/in/jay-vinay.

Q: What is Jay's portfolio link?
A: Jay's portfolio link is www.jayvinay.in.

Q: What is Jay's GitHub profile?
A: Jay's GitHub profile can be found at github.com/jayvinay.