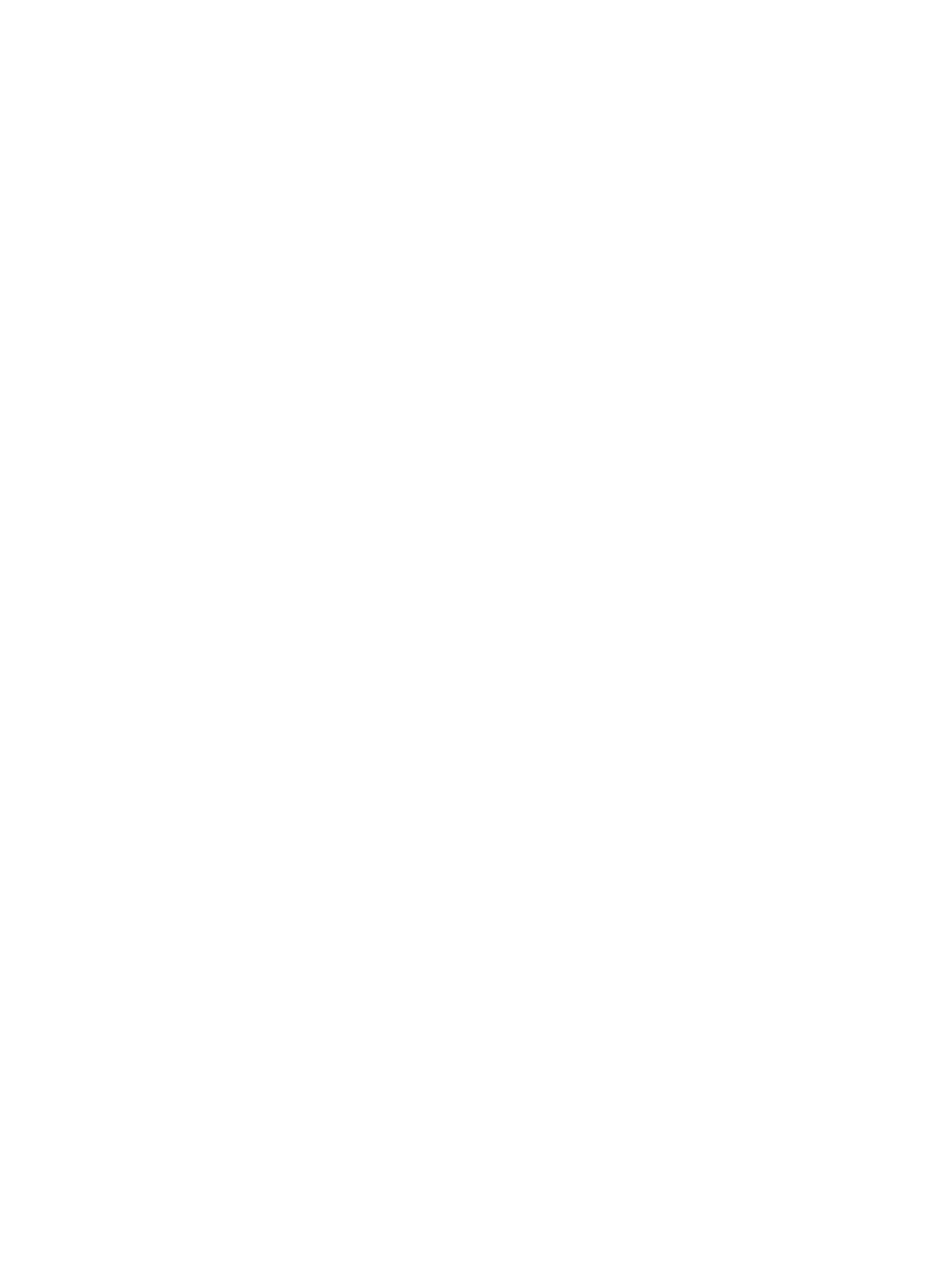
Vinay Jagannavar



205 Ashworth Pl, Syracuse, NY | 315-603-7616 | [vdjagann@syr.edu](mailto:vdjagann@syr.edu) | [Portfolio](https://vinayjagannavar.netlify.app) | [LinkedIn](https://www.linkedin.com/in/vinay-jagannavar-6a0217124)

# EDUCATION

**Syracuse University -** College of Engineering & Computer Science, Syracuse, NY August 2022 - May 2024 Master of Science in Computer Science - GPA: 3.78

Courses: Design and Analysis of Algorithms, Structured Programming and Formal Methods, Operating System, Computer Architecture, Artificial Intelligence, Machine Learning, Natural Language Processing, Android Programming.

**Pune University -** Dr. D. Y. Patil College Of Engg, Pune, India August 2013 - June 2017 Bachelor of Engineering in Computer Science

Courses: Data Structures and Algorithms, Object Oriented Design, Database Management Systems, Theory Of Computations.

# WORK EXPERIENCE

**Software Engineer,** Tech Mahindra Limited – Pune, India September 2019 - July 2022

* Accelerated project delivery by 40% through mastery of Scrum Agile methodologies, while streamlining software development in Azure DevOps, achieving 50% faster development via CI/CD pipelines and enhancing client satisfaction.
* Engineered an enterprise-focused full stack SIP-trunk solution, eliminating Excel dependency and cutting setup time from weeks to immediate. Optimized network management and automated allocation, augmenting efficiency.
* Designed and led the backend development with Python and Django, crafting a scalable codebase, while implementing Angular for the frontend to propel substantial improvements in client interaction metrics.
* Led the creation of sophisticated SQL databases and highly efficient RESTful APIs, incorporating optimized stored procedures, culminating in a 40% decrease in data processing time and seamless integration capabilities across systems.

**Associate Software Engineer,** Tech Mahindra Limited – Pune, India April 2018 - August 2019

* Demonstrated Telecom Domain expertise in Siebel CRM, Fusion Middleware, and Oracle BRM.
* Expedited critical flaw resolution in Data Integrity Program during Oracle BRM upgrade with cross-functional team. Recovered 60k post-pay customers and 100k rating products, preventing revenue loss.
* Strengthened system stability by troubleshooting and debugging 50K+ failed transactions/orders, enhancing user experience.
* Deployed NLP and ML-driven ticket assignment with a Decision Tree approach, boosting efficiency and resolution precision.
* Conducted comprehensive Exploratory Data Analysis (EDA) on 20K+ incident reports, providing invaluable insights for data- driven decision-making and process improvement.

**Software Developer Intern,** Krixi Ideas and Technology Solutions Pvt Ltd – Pune, India December 2016 - May 2017

* Deployed OAuth security protocols, introduced RESTful APIs, and leveraged MP-Chart to craft visually engaging data representations, culminating in a 30% surge in user engagement.
* Integrated Google Fit and Fitbit API using Java to retrieve fitness data, incorporated health goal-setting features, and designed motivational notifications to drive user engagement, resulting in a 30% increase in daily active users.
* Implemented ETL for fitness data integration and analysis in data warehouse, revealing user behavior insights.

# ADDITIONAL EXPERIENCE

**Graduate Teaching Assistant,** EECS – Syracuse University, NY August 2023 - December 2023

* Encouraged student achievement in ECS 101 by combining lectures with targeted guidance for homework and Python projects, alongside providing insightful feedback through grading.

# ACADEMIC PROJECT

**BillBuddy: Android | Kotlin | Amazon RDS | Amazon API Gateway** September 2023 - December 2023

* Architected and developed a responsive Kotlin Android app utilizing OOPs and LiveData (20% reduced data latency). Implemented engaging bill-splitting & spending analysis features (coroutines) leading to a 15% user engagement rise.
* Facilitated secure payment processing via PayPal integration, championed the use of GitHub for version control (reducing merge conflicts by 30%), fostering a collaborative development workflow.

**Ecommerce Shopping: React | Redux | Tailwind | Spring Boot** March 2023 - April 2023

* Pioneered RESTful API implementation with Spring Boot for seamless frontend-backend communication, while enforcing Spring Security and employing MySQL for efficient backend management.
* Orchestrated frontend development leveraging React, integrating Tailwind CSS and Material-UI (MUI) for UI design, Redux for state management, and JWT for secure authentication.

**AI-based 2048 Game: Algorithm | ML | Python | PyTorch** September 2022 - December 2022

* Executed Expectimax algorithm for tree search AI in 2048 game, considering chance and limited depth search algorithm optimized move selection, resulting in a 25% increase in game win rate.
* Upgraded tree search with a neural network trained on game state data and projected utility values for each level.

# TECHNICAL SKILLS

* Languages: Python, Java, C, C++, C#, JavaScript, TypeScript, PL/SQL, HTML, CSS, PHP.
* Frameworks: Angular, React.js, Redux, Spring, Django, Flask, .NET, PyTorch, TensorFlow.
* Databases: MySQL, MongoDB, PostgreSQL, NoSQL.
* AWS: VPC, IAM, EC2, ECS, Lambda, CloudFront, CloudWatch, S3, Dynamo DB, ElasticSearch.
* Softwares / Tools: Siebel CRM, Snowflake, Microsoft Azure DevOps (Repos, Boards, Pipelines), Docker, Kubernetes, Git, Node.js, UiPath, Figma, Splunk, Android Studio, Postman, PowerShell, Linux Bash Scripting.

# CERTIFICATIONS

* Meta Front-End Developer Professional Certificate, Big Data and Analytics with IBM Infosphere Big Insights.