SHAWN KRISHNAN

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LinkedIn: linkedin.com/in/shawnkrishnan · Work Authorization: US Citizen, Open to Travel and Relocation

Education

Carnegie Mellon University May 2025
Master of Science in Artificial Intelligence Engineering Pittsburgh, PA
GPA: 3.79 / 4.00 · Graduate Portfolio: https://shawnkrishnan.github.io/me-projects.html

Carnegie Mellon University Dec 2023
Bachelor of Science in Mechanical Engineering Pittsburgh, PA
GPA: 3.74 / 4.00 · Undergraduate Portfolio: https://shawnkrishnan.github.io/me-projects.html

Work Experience

Docu Slides - theslidevox.com May 2025 – Present
Co-Founder and Executive Director Pittsburgh, PA

- **Technical Execution & Team Management**: Appointed by CMU AI Professor to lead a cross-functional team of 8 (3 front-end engineers, 2 back-end engineers and 2 consultants) to develop a Mean Value Proposition for Multi-Agent AI software to convert documents into high-impact visual presentations. Managed GitHub workflows, sprint cycles, and release testing.
- **Strategy**: Conducted customer discovery interviews, iterated on use cases, launched a free trial programs, and prepared investor pitch materials for early-stage VCs and accelerators.
- **Investor Outreach**: Secured and coordinated meetings with analysts at leading venture capital firms, presenting our product vision and gathering strategic feedback to refine our go-to-market approach.

College of Engineering: Mechanical Artificial Intelligence Lab Aug 2024 – May 2025
Graduate Research Assistant Pittsburgh, PA

- **PDE Model Benchmarking**: Benchmarked deep-learning and physics-informed neural network methods for PDE optimization under Prof. Amir Barati Farimani, performing quantitative analyses across multiple datasets.

Comtech Telecommunications Corp. – comtech.com May 2024 – Aug 2024
AI / NLP (Natural Language Processing) Systems Engineering Intern Seattle, WA

- **AWS Lambda & NLP Integration**: Developed AWS Lambda functions using AWS Lex for real-time call-severity classification to assist 911 operators' decision-making.
- **Natural Language Regression**: Integrated a multi-modal Naive Bayes classifier into communication APIs, enhancing transcription and severity assignment.
- **Flask Data API**: Built a Flask service to package and forward emergency call data (timestamp, caller info, location) to PSAP systems for improved emergency response and 911 operator decision-making.

Ingredion Incorporated – ingredion.com May 2023 – Aug 2023
Technical Sales Intern Bridgewater, NJ

- **Salesforce Research & Analysis**: Conducted comprehensive research and analysis in Salesforce to identify growth opportunities and potential revenue increases based on competitors' performance. Resulted in an additional 38% of potential sales volume for Ingredion.
- **Market Communication**: Delivered high-impact presentations and reports to communicate market opportunities to executives and sales account managers effectively.
- **Client Relations**: Participated in sales calls, fostering strong client relationships and presenting product offerings and solutions to drive business growth, primarily with start-up ventures focusing on vegan and other dietary-constrained alternatives.

Carnegie Mellon University: College of Engineering Jan 2023 – Dec 2023
Graduate & Undergraduate Teaching Assistant Pittsburgh, PA

- **Courses Supported**: 24-791 Graduate Seminar I; 24-370 Mechanical Design; 24-221 Thermodynamics.
- **Classroom Management & Grading**: Managed logistics and graded assignments, quizzes, and exams to support an effective learning environment.

Skills & Activities

Software & Tools: Python, Excel (Advanced), SQL, MATLAB, Simulink, ANSYS, SolidWorks, Mastercam, Salesforce
Programming & Frameworks: Java, C++, TensorFlow, PyTorch, Keras, NumPy, Pandas, SciPy, scikit-learn, OpenCV, Matplotlib, Spark, Kafka, Docker, Kubernetes, FastAPI
Engineering Processes: NoSQL (MongoDB, Neo4j), LaTeX, 3D Printing, CNC Machining, Manual Machining, MIG Welding, EOS Laser Powder Bed Fusion, Free Melt Electron Beam Powder Bed Fusion, ExOne Binder Jet
Activities & Honors: NCAA Division III Varsity Track & Field, CMU SAFE AI LAB (Prof. Ding Zhao), CMU MetaMobility Lab (Prof. Insueng Kang), 3× Dean's List, University Honors, College of Engineering Mechanical Engineering Expo: Best Overall Project
Languages: English (Native), Tamil (Fluent)
Interests: Formula 1, Tennis, Basketball, Electronic Music Production, Biomechanics Research, Distance Running