

Arnav Rajashekara

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EDUCATION

The Ohio State University, Columbus, OH. Expected Graduation: May 2026
Dean's List: 4/6 Semesters
B.S. Computer Science & Engineering (AI Track), Minor in Statistics
Awards: Honors Research Distinction, URAP, National Buckeye Scholar, Maximus Scholar, STEM Scholar

WORK EXPERIENCE

NetJets – BRK Private Aviation Company (SWE Intern → Student Associate SWE)	May 2025 – Present
<ul style="list-style-type: none">Developed a secure, scalable, and intuitive web-based portal for business analysts to view AWS S3 data.Built the client-side interface using ReactJS, supported by AWS Amplify for backend services and deployment.Leveraged Terraform to define and manage the cloud infrastructure, enabling modular deployment and scalability.Increased data security by leveraging AWS IAM Identity Center in conjunction with RBAC and MFA via Okta SSO.	
American Institutions and Methodology Lab – OSU (Research Assistant – Team Lead)	Aug 2024 – Present
<ul style="list-style-type: none">Leading a research team to develop an issue classification model that categorizes SCOTUS petitions into issue areas.Applying natural language processing techniques and unsupervised machine learning algorithms, including Legal-BERT embedding generation, tokenization, and K-Means clustering, to uncover latent structures in legal text.Selected as 1 of 15 total recipients of the Undergraduate Research Apprentice Program (URAP) and awarded a total of nearly \$6,000 to support the project. Project awarded over \$500,000 in grants by the National Science Foundation (NSF).Earned highly competitive Honors Research Distinction award. Granted a scholarship of \$2200 and approved to complete an undergraduate thesis on original research.	
American Honda Motor Company (Systems & Analytics Engineer Intern)	Aug 2025 – Dec 2025
<ul style="list-style-type: none">Collaborated with customers to identify product requirements and translate them into intuitive digital solutions.Prototyped and engineered industrial production applications using Figma for UI/UX design and Ignition SCADA for real-time process visualization, integrating user feedback through iterative testing cycles.Delivered KPI dashboards leveraging live production data to enhance process monitoring and bottleneck detection.Selected as a finalist for “Intern of the Term” out of 130+ interns. Awarded to interns for exceeding expectations and driving meaningful improvements to team deliverables.	
Mimecast – AI Powered Risk Management (SWE Intern)	May 2024 – Aug 2024
<ul style="list-style-type: none">Enhanced the UI system, crucial for the customer success (CS) team to onboard and manage Mimecast clients.Utilized ReactJS, Next.js, and Tailwind CSS to create a new workflow to configure an existing customer's profile.Upgraded efficiency and overall aesthetics; decreased page load time by 67% and implemented caching for tenant profiles.	

PROJECTS

Honda C.R.U.I.S.E (Honda Idea Contest – Team of 3 Engineers)	Sep 2025
<ul style="list-style-type: none">Engineered a full-stack infotainment system prototype within 24 hours, designed for seamless integration across Honda vehicle interfaces and mobile devices. C.R.U.I.S.E → Connected Rider Ultimate Interactive Shared Experience.Prototyped an application demonstrating various features such as proximity chat, peer-to-peer music streaming, GPS-driven destination mapping, and trip analytics. Utilized Figma and React Native for rapid prototyping.Won company-wide contest consisting of over 100 submissions and presented the idea to senior Honda executives.	
To Lease or Not to Lease (Hackathon – Team of Three Data Scientists)	March 2025
<ul style="list-style-type: none">Advised corporate real estate clients on optimal leasing quarters for specific markets to maximize company savings.Built a random forest model to recommend high-return investment markets, reinforcing initial exploratory insights.Leveraged Python, SQL, and Pandas for data sourcing, cleaning, preprocessing, modeling, and data visualization.Placed top three at the 9th annual DataFest Hackathon, a competition that consisted of over 200 competitors.	

LEADERSHIP

Aviation Recruitment Case Study (NetJets SWE Intern)	May 2025 - June 2025
<ul style="list-style-type: none">Collaborated with FlightSafety International interns to reimagine talent acquisition strategies for pilots.Led development of a comprehensive proposal including company values, bottlenecks, marketing, and ROI analysis.Presented final solution to executives and earned “Best Presentation Runner-Up” recognition from industry leaders.	
Slack List + Canvas Integration Proposal (Mimecast SWE Intern)	July 2024 – Aug 2024
<ul style="list-style-type: none">Fronted the creation of a technical proposal for product suite expansion, as well as a formal presentation in standard terms.Proposal was to expand Mimecast’s support suite to include the “List” and “Canvas” features on Slack.Presented to members of the Product + Engineering teams, including the CTO, senior developers, and PMs.	

TECHNICAL SKILLS

- Python, Java, C, TypeScript, R, MATLAB, SQL, Terraform, ReactJS, Node.js, Next.js, HTML, RSS, Tailwind CSS, PyTorch, Pandas, BeautifulSoup, NumPy, SciPy, scikit-learn, TensorFlow, Matplotlib, Cucumber, AWS, Azure, Git