

# Arnav Rajashekara

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## EDUCATION

### The Ohio State University, Columbus, OH.

B.S. Computer Science & Engineering (AI Track), Minor in Statistics

**Awards:** Honors Research Distinction, URAP, National Buckeye Scholar, Maximus Scholar, STEM Scholar

**Expected Graduation:** May 2026

**Dean's List:** 4/6 Semesters

## WORK EXPERIENCE

### American Institutions and Methodology Lab – OSU (*Research Assistant – Team Lead*)

**Aug 2024 – Present**

- 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.

### NetJets – Berkshire Hathaway Private Aviation Company (*SWE Intern*)

**May 2025 – Aug 2025**

- 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 Honda Motor Company (*Systems & Analytics Engineer Intern*)

**Aug 2025 – Dec 2025**

- 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**

- 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**

- 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**

- 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 9<sup>th</sup> annual DataFest Hackathon, a competition that consisted of over 200 competitors.

## LEADERSHIP

### Aviation Recruitment Case Study (*NetJets SWE Intern*)

**May 2025 - June 2025**

- 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**

- 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