

# BAKSHISH SINGH

+1(352) 246-0575 ◇ Gainesville, FL, [bakshish.gr@gmail.com](mailto:bakshish.gr@gmail.com) ◇ [Linkedin](#) ◇ [Portfolio](#)

## OBJECTIVE

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**Oracle certified** Graduate student pursuing M.S. in Computer Science at University of Florida, seeking **Summer 2026 internships** and **full-time Software Developer or Backend Developer opportunities** starting in 2027.

## EDUCATION

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**Master of Computer Science**, University of Florida Expected 2027

Coursework: **Advanced Data Structures, Distributed Operating System, Math for Intelligent Systems.**

**Bachelor of Information Technology**, JSSATEN 2021 - 2025

## SKILLS

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<b>Languages</b>	Java, SQL, JavaScript/TypeScript, MongoDB
<b>Backend</b>	Spring Boot, Node.js, Express.js, REST APIs, Microservices
<b>Frontend</b>	Next.js, React, Redux Toolkit, HTML, Tailwind CSS
<b>Concepts</b>	DSA ( <b>300+ Leetcode questions</b> ), OOPs, System Design, Deep Learning, Responsive Design
<b>Cloud/DevOps</b>	AWS, Docker, Apache Kafka, Kong, GitHub

## EXPERIENCE

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**Frontend Developer** Nov 2023 - Dec 2023  
Binmile Technologies *Noida, India*

- **Achieved 100% cross-device responsiveness** and **reduced runtime errors** through strong type safety using **React, TypeScript, Redux Toolkit, Tailwind CSS, and React Router.**
- **Led implementation** of robust state management, carousels, and a **user-friendly favorites system** to enhance user experience. ( [Check it Out !](#) )

## PROJECTS

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### Expense Tracker – Backend Microservices (Spring Boot + AI + AWS)

Designed a **robust expense tracking application** powered by **4+ microservices** built with **Java Spring Boot, Apache Kafka, and Kong API Gateway** to enable **real-time expense updates**. Integrated the **Mistral AI API** for automatic parsing and categorization of bank SMS, **reducing manual entry time by 80%**. Secured the platform with **authentication and RBAC** while **automating AWS infrastructure provisioning** to improve scalability and deployment efficiency. ([Check source code here](#))

### Alzheimer's Disease Stage Classification using Vision Transformers (ViT-B/16) (Research Project)

Built a **deep learning pipeline** to classify Alzheimer's stages (**NI, vMCI, MCI, ModCI**) from mid-sagittal MRI brain slices by **fine-tuning a pre-trained ViT-B/16 model** with preprocessing (**224×224 resizing, normalization, augmentation**) and **optimized training with Adam optimizer and cosine annealing**. This approach **achieved 88% accuracy and 0.92 ROC-AUC**, outperforming CNN baselines. ([Check source code here](#))

### Alumni Portal (Next.js, Full Stack)

Developed a **full-stack Next.js app** with **protected routes and RBAC**, secured authentication using **NextAuth**, enhanced UX with **dynamic forms validated by Formik and Yup**, and implemented **admin-only features** managed via middleware. ([Check out the deployed site !](#))

## CERTIFICATIONS

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- **Java SE 17 Professional Developer** - Oracle

## SCHOLARSHIPS

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- Herbert Wertheim College of Engineering **Achievement Award Scholarship** - 08/2025