Aswath Ganapathi Arumugam

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Education

University of Europe for Applied Sciences	*Mar 2024 – Mar 2025*

Masters in Software Engineering, Berlin, Germany -Overall: 86%

Experience

Working Student – Frontend Developer & Workflow Analyst	*Potsdam, Germany*
ATB Leibniz Institute	*Feb 2025 – Present*

- Optimized chatbot workflows using Lucidchart, enhancing user satisfaction and reducing redundant steps by 40%.
- Conducted A/B tests on communication variants, increasing user engagement by 30%.
- Collaborated with Behavioral Science and AI teams to extend customer retention modules.
- Analyzed performance metrics to refine decision logic in app workflows.

Software Engineer – .NET Workflow Developer	*Ahmedabad, India*
Albiorix Technology+ Intelleticx	*Jun 2022 – Oct 2023*

- Developed modular backend workflows using .NET Core to support payment page enhancements.
- Reduced workflow error rate by 35% through structured logging and error reading logic.
- Led sprint planning for API integration that streamlined multi-device support across platforms.

Software Engineer – Data & Process Analyst	*Chennai, India*
Avasoft	*Mar 2021 – Mar 2022*

- Created SQL reports and dashboards to monitor workflow KPIs, cutting manual tracking by 50%.
- Monitored PostgreSQL data flows and reduced bottlenecks impacting workflow success rates.

Skills and Technologies

Project & Research Skills: Stakeholder Engagement, Co-Creation Methods, Social Network Analysis, Scientific Writing, Event Planning, Project Coordination,

Programming: C#, Python, SQL, JavaScript, TypeScript

Frameworks and Methodologies: .NET Core 8, ASP.NET Core, Xamarin, MAUI, MVC, MVVM, REST APIs, Agile Practices, Technical documentation, process mining and decision trees.

Databases: SQL Server, PostgreSQL – schema design, stored procedures, query optimization

DevOps & Version Control: Git, Azure DevOps, GitHub Actions, CI/CD pipelines

Dissemination & Collaboration Tools: MS Office 365, Trello, Miro, Notion, Zoom, Jira, Canva, Overleaf, LaTeX, Confluence

Other Tools: Visual Studio, VS Code, Postman, Docker, Figma, Typo3, SharePoint, Zotero

Languages

English (C1), German (A2), Tamil (native)

Projects

AR MRI Brain Visualization (Master's Thesis)	*2025*

- Designed Unity app with integrated AI for MRI scan analysis. Used OpenAI API for voice interaction.