14 July 2025

To Whom It May Concern

Dear Sir/Madam,

Re: Recommendation Letter for Mr Amitabh Kumar

I am pleased to offer a recommendation for Amitabh Kumar, an outstanding student in the Software Engineering program at the University of New South Wales (UNSW), in support of his future academic or professional pursuits.

By way of introduction, I am currently the Lecturer-In-Charge of Software Engineering workshops (SENG2021 and SENG3011) as well as the Director of the Software Engineering degree at UNSW. All Software Engineering students are only admitted to the degree through a rigorous and highly competitive admission process (they need over 95% in ATAR which is Australia's High Schools Score at the end of their studies). During workshops, students build software in teams, rotating roles such as developer, business analyst and tester. Amitabh later applied these roles in practice as a Research Analyst at FAIC, contributing across business and technical development, stakeholder engagement, market analysis and testing.

As his lecturer in SENG2021 which took place in Term 1 2025, I have had the opportunity to observe his academic performance and personal qualities, and I have been consistently impressed. Following the completion of the course, he undertook a Software Engineering internship at the Fintech AI Innovation Consortium (FAIC) and achieved the following:

- Contributed to research and market analysis on digital trade and financial automation tools across APAC to support product strategy and commercialization and analysed documentation/reports.

- Led the refactoring of an existing database schema that contains publicly available information processing APIs into an SQL database and deployed it to cloud

- Researched and began implementing retrieval augmented generation and semantic search techniques to extend the systems breadth for agentic workflows and natural language processing

Therefore, I can confirm that he is well-prepared to take on academic, technical or professional roles, having a strong academic record, excellent skills working in a team, proven communication skills, and a fine character.

For any additional information, please let me know.

Fethi A. Rabhi (Professor and Software Engineering Degree Director)